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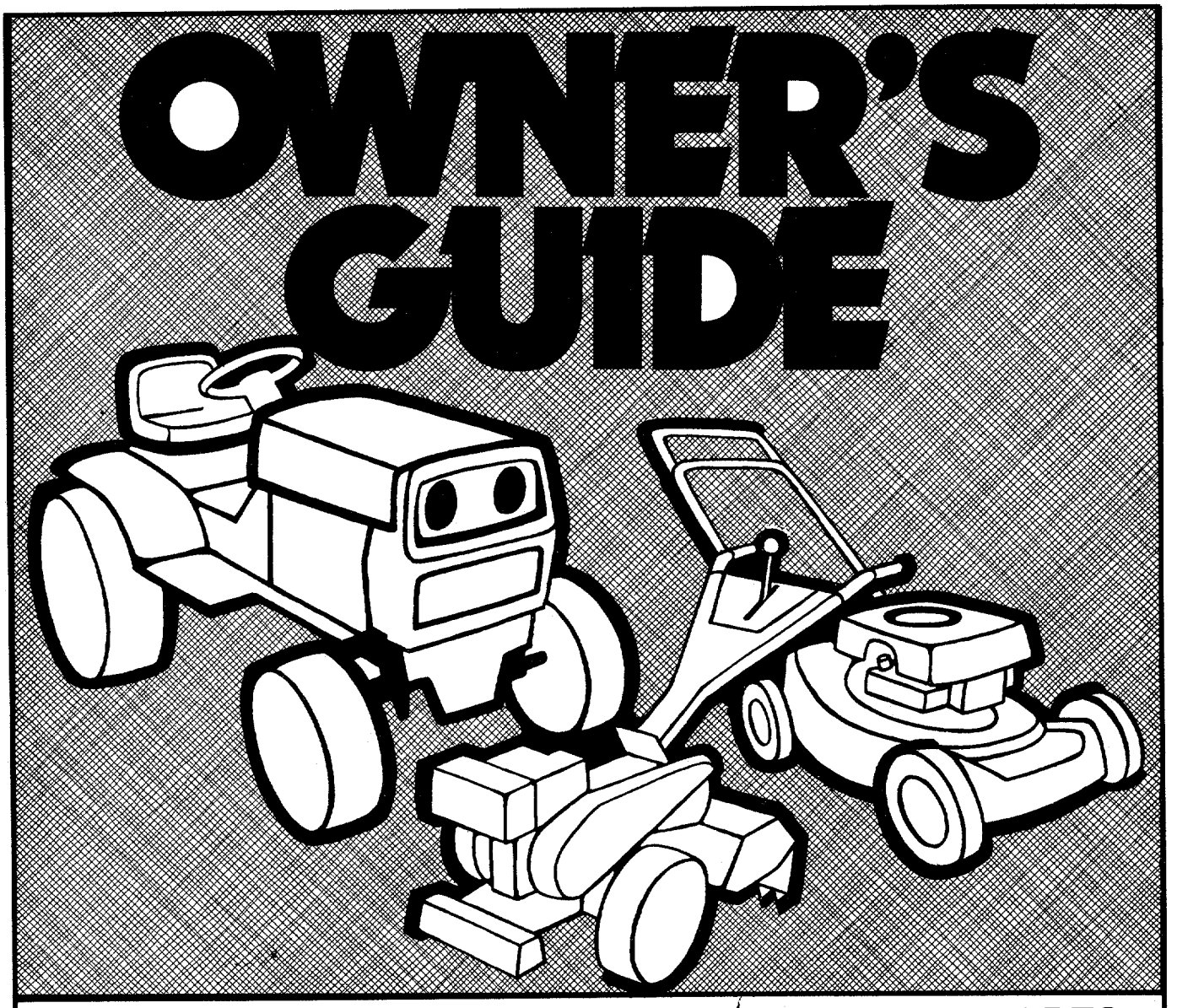
OWNER'S GUIDE



ASSEMBLY • OPERATION • MAINTENANCE • PARTS

30" RIDING MOWER

Important:

Read Safety Rules and Instructions Carefully

Thank you for purchasing an American built product.

Model Number 131-796A

PRINTED IN U.S.A.

FORM NO. 770-0865

INDEX

Safe Operation Practices....3
Assembly Instructions....4
Battery Information....6
Controls....11
Operation....12
Adjustments....14
Lubrication....15
Maintenance....16
Off-Season Storage....22
Illustrated Parts for Rider....24, 26, 28, 30
Parts List for Rider....25, 27, 29, 31
Electrical System....32
Illustrated Parts for Differential....33
Illustrated Parts for Transmission....34
Parts Information....Back Cover

LIMITED WARRANTY

For one year from the date of original retail purchase, MTD PRODUCTS INC will either repair or replace, at its option, free of charge, F.O.B. factory or authorized service firm, any part or parts found to be defective in material or workmanship. Transportation charges for any parts submitted for replacement under this warranty must be paid by the purchaser unless such return is requested by MTD PRODUCTS INC.

This warranty will not apply to any part which has become inoperative due to misuse, excessive use, accident, neglect, improper maintenance, alterations, or unless the unit has been operated and maintained in accordance with the instructions furnished. This warranty does not apply to the engine, motor, battery, battery charger or component parts thereof. Please refer to the applicable manufacturer's warranty on these items.

This warranty will not apply where the unit has been used commercially.

Warranty service is available through your local authorized service dealer or distributor. If you do not know the dealer or distributor in your area, please write to the Customer Service Department of MTD.

The return of a complete unit will not be accepted by the factory unless prior written permission has been extended by MTD.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

WARNING

TO PURCHASERS
OF INTERNAL COMBUSTION ENGINE EQUIPPED
MACHINERY OR DEVICES IN THE STATE OF CALIFORNIA

The equipment which you have just purchased does not have a spark arrester. If this equipment is used on any forest covered land, brush covered land, or grass covered unimproved land in the State of California, before using on such land, the California law requires that a spark arrester be provided. In addition, spark arrester is required by law to be in effective working order. The spark arrester must be attached to the exhaust system and comply with Section 4442 of the California Public Resources Code.

WARNING

To reduce the potential for any injury, comply with the following safety instructions. Failure to comply with the instructions may result in personal injury.

SAFE OPERATION PRACTICES FOR RIDING VEHICLES

1. It is suggested that this manual be read in its entirety before attempting to assemble or operate this unit. Keep this manual in a safe place for future reference and for ordering replacement parts.
2. This unit is a precision piece of power equipment, not a plaything. Therefore exercise extreme caution at all times.
3. Know the controls and how to stop quickly—READ THIS OWNER'S MANUAL.
4. Do not allow children to operate vehicle. Do not allow adults to operate it without proper instruction. Only persons well acquainted with these rules of safe operation should be allowed to use your mower.
5. Do not carry passengers.
6. Keep the area of operation clear of all persons, particularly small children and pets. Stop engine when they are in the vicinity of your mower. Although the area of operation should be completely cleared of foreign objects, a small object may have been overlooked and could be accidently thrown by the mower in any direction and cause injury.
7. Clear work area of objects which might be picked up and thrown by the mower in any direction and cause injury.
8. Stop the blade(s) when crossing gravel drives, walks or roads.
9. Disengage all attachment clutches and shift into neutral before attempting to start engine.
10. Disengage power to attachment(s) and stop engine before leaving operating position.
11. Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times as the rotating blade(s) can cause injury.
12. Disengage power to attachment(s) and stop engine before making any repairs or adjustments. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
13. Before attempting to unclog the mower or discharge chute, stop the engine. The mower blade(s) may continue to rotate for a few seconds after the engine is shut off. Therefore, be sure the blade(s) have stopped completely. Disconnect the spark plug wire and keep the wire away from the plug to prevent accidental starting.
14. Disengage power to attachment(s) when transporting or not in use.
15. Take all possible precautions when leaving vehicle unattended such as disengaging power-take-off, lowering attachments, shifting into neutral, setting parking brake, stopping engine and removing key.
16. Do not stop or start suddenly when going uphill or downhill. Mow up and down face of steep slopes; never across the face.
17. Reduce speed on slopes and in sharp turns to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.
18. Stay alert for holes in terrain and other hidden hazards.
19. Use care when pulling loads or using heavy equipment.
    A. Use only approved drawbar hitch points.
    B. Limit loads to those you can safely control.
    C. Do not turn sharply. Use care when backing.
    D. Use counterweight(s) or wheel weights when suggested in owner's manual.
20. Watch out for traffic when crossing or near roadways.
21. When using any attachments, never direct discharge of material toward bystanders nor allow anyone near vehicle while in operation.
22. Handle gasoline with care. It is highly flammable.
    A. Use approved gasoline container.
    B. Never remove cap or add gasoline to a running or hot engine or fill fuel tank indoors. Wipe up spilled gasoline.
    C. Open doors if engine is run in garage. Exhaust fumes are dangerous. Do not run engine indoors.
23. Keep the vehicle and attachments in good operating condition, and keep safety devices in place. Use guards as instructed in owner's manual.
24. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
25. Never store the equipment with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow engine to cool before storing in any enclosure.
26. To reduce fire hazard, keep engine free of grass, leaves or excessive grease.
27. The vehicle and attachments should be stopped and inspected for damage after striking a foreign object. The damage should be repaired before restarting and operating the equipment.
28. Do not change the engine governor settings or overspeed the engine.
29. When using the vehicle with mower, proceed as follows:
    (1) Mow only in daylight or in good artificial light.
    (2) Never make a cutting height adjustment while engine is running if operator must dismount to do so.
    (3) Shut the engine off and wait until the blade comes to a complete stop before removing the grass catcher.
    (4) Check blade mounting bolts for proper tightness at frequent intervals.
30. Check grass catcher bags frequently for wear or deterioration. For safety protection, replace only with new bag meeting original equipment specifications.
31. Look behind to make sure the area is clear before placing the transmission in reverse and continue looking behind while backing up.

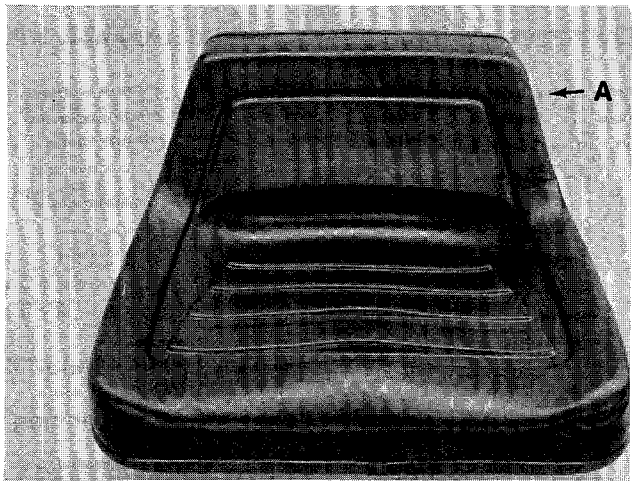


FIGURE 1.

ASSEMBLY INSTRUCTIONS

NOTE

This unit is shipped WITHOUT GASOLINE or OIL. After assembly, see operating section of this manual for proper fuel and engine oil recommendations.

Loose Parts in Carton:
(See Figures 1 and 2)

A (1) Seat Assembly

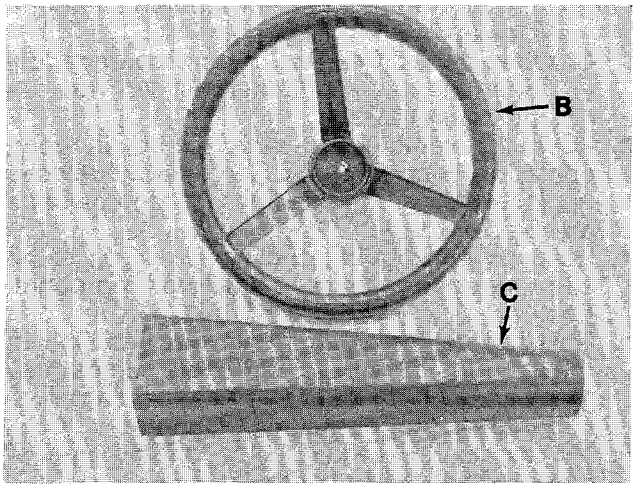


FIGURE 2.

B (1) Steering Wheel
C (1) Steering Shaft Tube
D (1) Battery Pack (Not Shown)

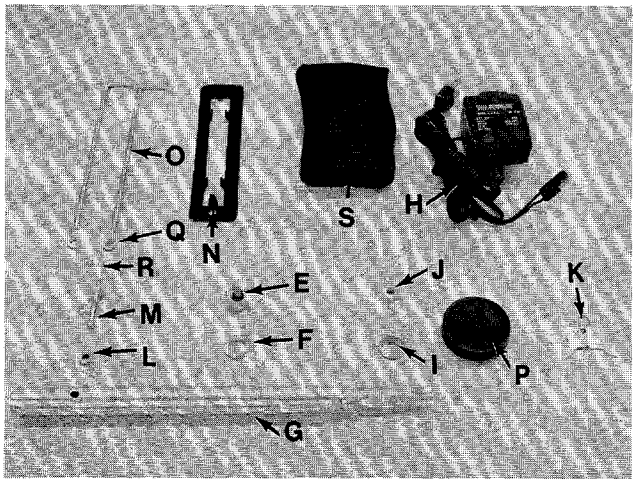


FIGURE 3.

Contents of Hardware Pack:

E (4) Hex Nuts ½-13 Thd.
F (4) Lock Washers ½" I.D.
G (1) Steering Shaft Adapter
H (1) Battery Charger
I (1) Belleville Washer
J (1) Hex Lock Nut 5/16-18 Thread
K (2) Ignition Keys
L (1) Hex Lock Nut 1/4-20 Thread
M (1) Hex Bolt 1/4-20 x 1-1/4" Long
N (1) Battery Hold Down Bracket
O (2) Battery Hold Down Rods
P (1) Steering Wheel Cap
Q (2) Lock Washers 1/4" I.D.
R (2) Plastic Wing Nuts
S (1) Battery Boot

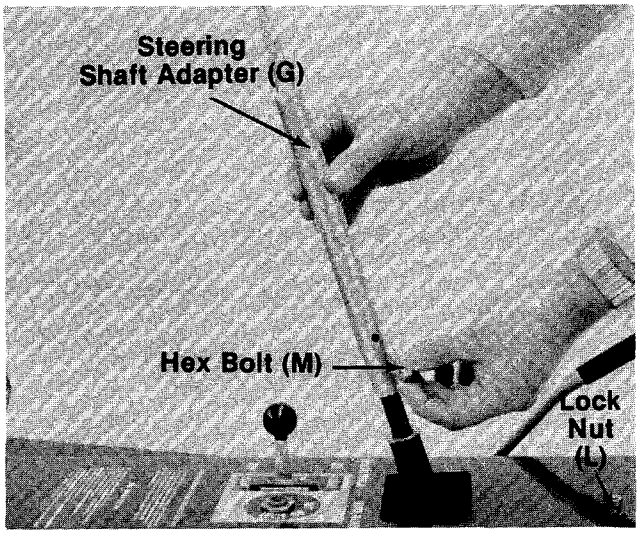


FIGURE 4.

←1. Place the steering shaft adapter (G) over steering shaft and line up holes. Secure with hex bolt (M) and hex lock nut (L). See figure 2. Tighten securely with 7/16″ wrench.

FIGURE 5.

←2. Place the steering wheel tube (C) over the steering shaft adapter (G). See figure 5.

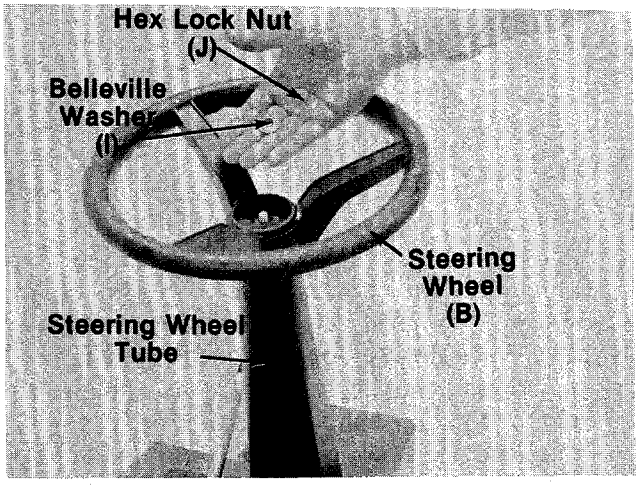


FIGURE 6.

←3. Place the steering wheel (B) over the shaft and place belleville washer (I) crown or curved side up. Secure with hex lock nut (J). Tighten securely with 1/2″ wrench. See figure 6.

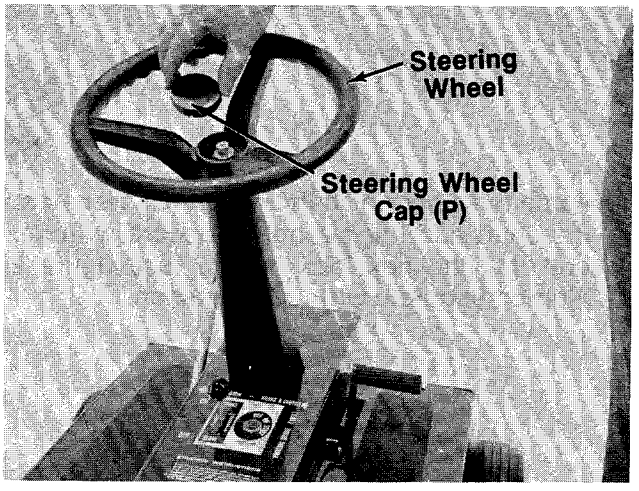


FIGURE 7.

4. Place the steering wheel cap (P) in position on steering wheel. Push or tap on firmly. See figure 7.

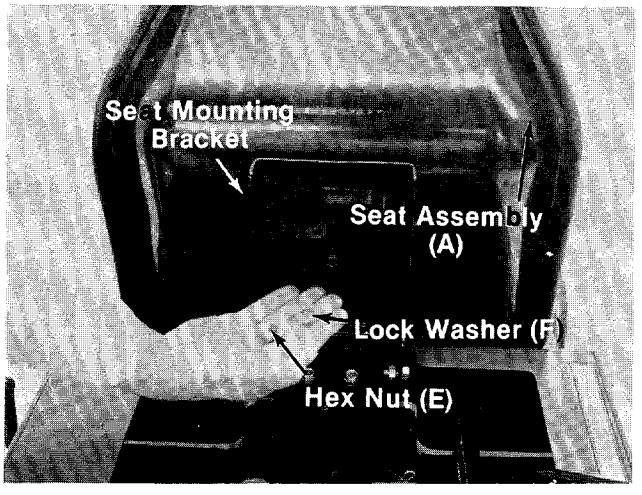


FIGURE 8.

5. The seat mounting bracket is attached to the rider at the factory. Pivot seat bracket up and forward.

NOTE

There are three holes provided in the seat bracket. Select desired position and assemble as follows.

6. Secure the seat assembly (A) to the seat mounting bracket with hex nut (E) and lock washer (F) provided. Tighten securely with a 3/4" wrench. See figure 8.

BATTERY INFORMATION

WARNING

A. Battery acid must be handled with great care as it will blister the skin and damage clothing. It is advisable to wear goggles, rubber gloves, and a protective apron when working with it.

B. If for any reason acid should be spattered in the eyes, wash it out immediately with clean cold water. Seek medical aid if discomfort continues.

C. If acid gets on clothes, dilute it with clean water first, then neutralize with dilute ammonia water or a water solution of baking soda.

D. Since battery acid is corrosive to metals, do not pour into any sink or drain. Rinse empty electrolyte containers and mutilate before discarding.

E. Keep sparks, flame, cigarettes away.

F. Hydrogen gas is generated during charging and discharging.

G. Ventilate when charging or using in enclosed space.

H. When using a charger—to avoid sparks, NEVER connect or disconnect charger clips to battery while charger is turned. on.

I. Always shield eyes, protect skin and clothing when working near batteries.

DANGER

BATTERIES CONTAIN SULFURIC ACID AND MAY CONTAIN EXPLOSIVE GASES (when electrolyte has been added).

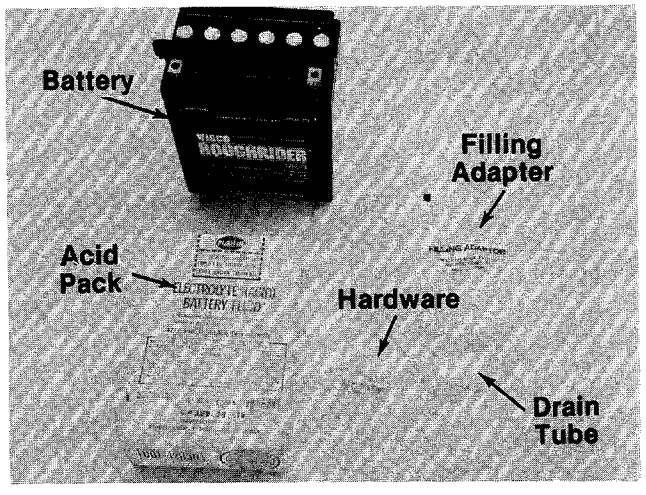


FIGURE 9.

ACTIVATING THE BATTERY

1. Upon opening the battery pack, you should receive acid pack, battery, drain tube, filling adapter and hardware. See figure 9.

DANGER

BATTERIES CONTAIN SULFURIC ACID AND MAY CONTAIN EXPLOSIVE GASES (when electrolyte has been added).

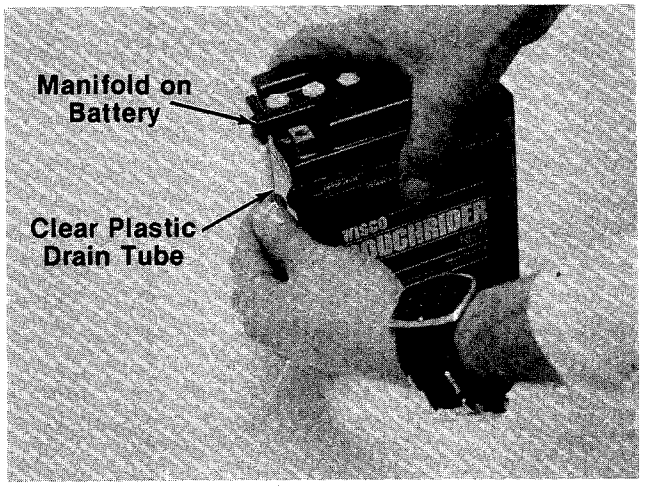


FIGURE 10.

2. Place the battery on table or workbench to be filled.

3. Place one end of clear plastic drain tube on manifold of battery. See figure 10.

NOTE

Some batteries may already have the drain tube installed, in which case it may be necessary to snip off the sealed end.

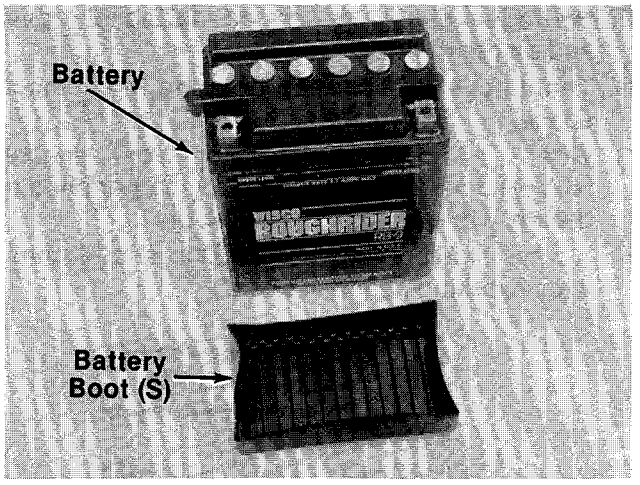


FIGURE 11.

4. Place battery boot (S) on bottom of battery. See figure 11.

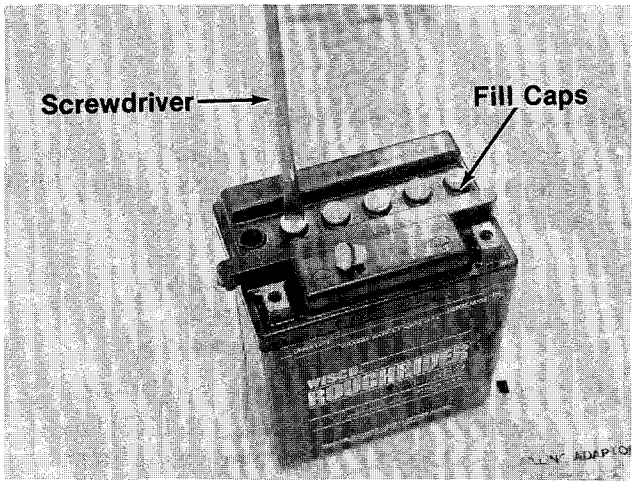


FIGURE 12.

5. Remove the six fill caps from the top of the battery. A screwdriver will make it easier. See figure 12.

6. Lay acid package down, with "push in" facing up. Using thumb, push in small perforated tab at dot on front of package. Tear down large tab to solid line, exposing hose. **Do not** use a sharp tool or object to open acid package.

7. Pull out hose from package and hold upright. Squeeze hose forcing all acid back into package. Cut off tip of hose and insert filling adapter. See figure 13.

8. Fill each cell to (upper level) marked on front of battery. Reassemble fill caps to battery. See figure 13.

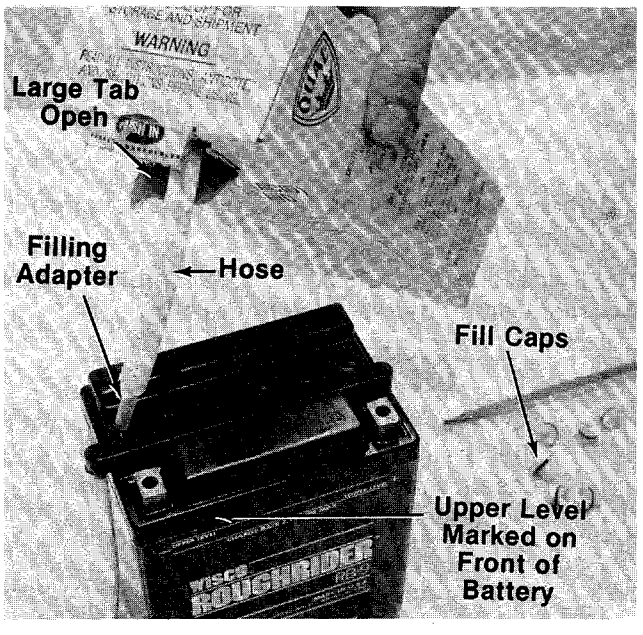


FIGURE 13.

WARNING

POISON/DANGER

CAUSES SEVERE BURNS

Contains sulfuric acid. Avoid contact with skin, eyes or clothing. Antidote: EXTERNAL—Flush with water. INTERNAL—Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg or veg. oil. Call physician immediately. Eyes: Flush with water for 15 minutes and get prompt medical attention.

Batteries produce explosive gases. Keep sparks, flame, cigarettes away. Ventilate when charging or using in enclosed space.

Always shield eyes when working near batteries.

KEEP OUT OF REACH OF CHILDREN

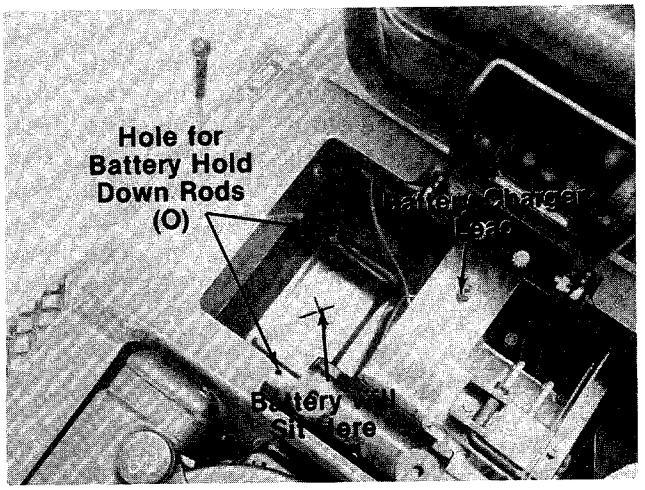


FIGURE 14.

Figure 14 shows the location where the battery will be mounted and the holes for assembling the hold down rods.

INSTALLING BATTERY

NOTE

Allow battery to sit for 20 minutes to 1/2 hour. Add additional acid if necessary to bring it up to the proper level.

1. Place the battery in the rider so that the positive terminal is towards the front of the unit. See figure 15.
2. Slide the square nut (provided with battery hardware) into the positive (+) terminal. Place the positive (heavy red wire) cable and two small red wires (one wire has a fuse holder in it) on the positive terminal. Secure with screw and lock washer provided. See figure 15.

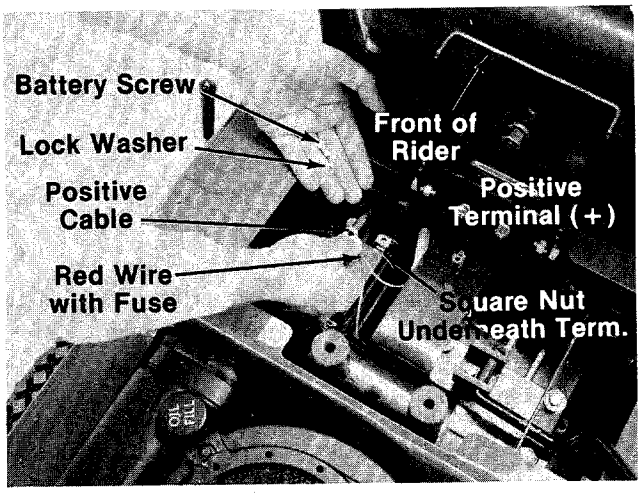


FIGURE 15.

3. Slide the square nut (provided with battery hardware) into the negative (−) terminal. Place the negative (heavy red wire) cable and small black wire on the negative terminal. Secure with screw and lock washer provided. See figure 16.

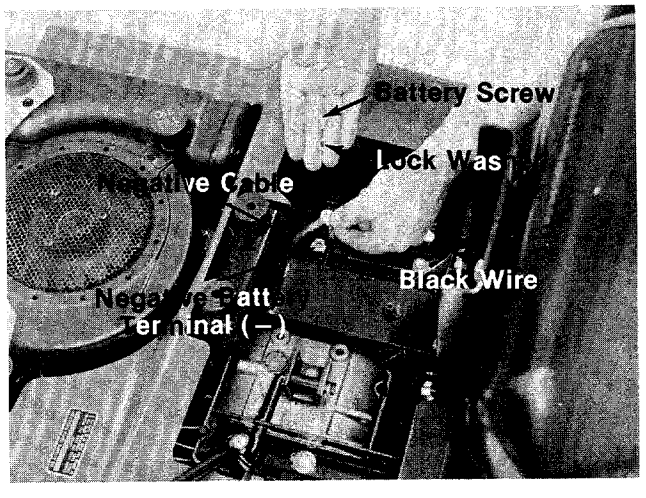


FIGURE 16.

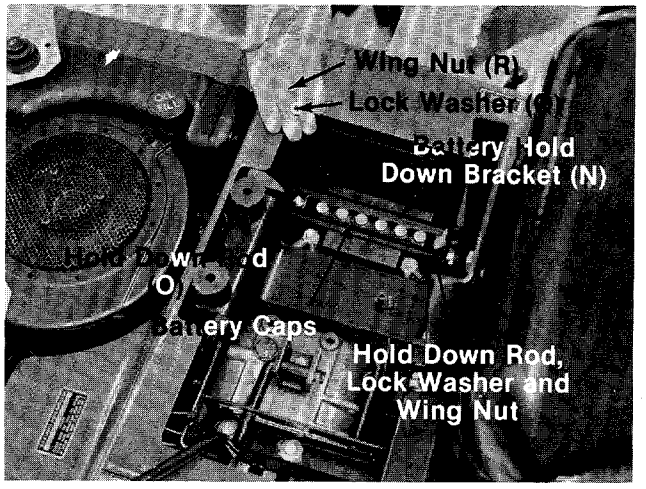


FIGURE 17.

4. Place the battery hold down bracket (N) over the battery fill caps. Place the battery hold down rods (O) in rider frame, holding the bottom hooked end under the frame with one hand. See figure 13. With the other hand place lock washer over hold down rod. Secure with plastic wing nut provided in battery pack. See figure 17.

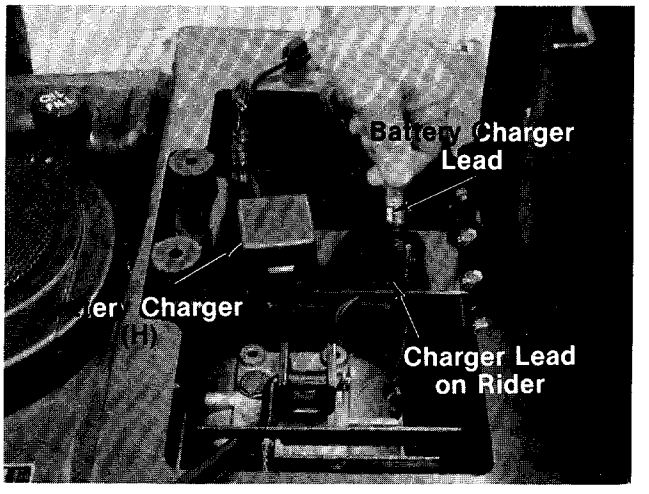


FIGURE 18.

5. The battery can be charged after the 20 minutes sitting period. The battery can be **SLOW CHARGED (DO NOT FAST CHARGE)** at a maximum bench rate of 1.4 amperes until the specific gravity reading is 1.260-1.280.
6. Plug the battery charger (H) (provided) into the charger lead located under the seat. See figure 18.

WARNING

The battery charger provided is specially designed for the battery in this unit. **Do not use any other charger.** A charging rate in excess of the above specifications will buckle and warp the positive plates and/or perforate the separators.

7. Plug the other end of battery charger into a standard household 110 A.C. outlet. Charge for a minimum of 2 hours and a maximum of 8 hours.
8. Remove the battery charger, replace the battery caps, and place seat back in operator's position. See figure 18.

NOTE

Charging rate after battery has been put into operation: The battery is to be charged with the charger provided, for a period of 14-16 hours. **NO LONGER THAN 30 HOURS.**

CAUTION

After battery has been in service, add only approved water. DO NOT ADD ACID.

TIRE PRESSURE

FOR SHIPPING PURPOSES, THE TIRES ON YOUR UNIT MAY BE OVER-INFLATED. TIRE PRESSURE SHOULD BE REDUCED BEFORE UNIT IS PUT IN TO OPERATION. PRESSURE SHOULD BE APPROXIMATELY 15 P.S.I. EQUAL TIRE PRESSURE SHOULD BE MAINTAINED ON ALL TIRES. MAXIMUM TIRE PRESSURE IS 30 P.S.I.

CAUTION

Installation of tire to rim:

1. Lubricate tire beads and rim flanges.
2. Do not exceed 30 P.S.I. when seating beads.
3. Adjust to recommended pressure after beads are sealed.

GRASS CATCHER Model No. 191-021A is available as optional equipment.

NOTE

Under normal usage bag material is subject to wear, and should be checked periodically. Be sure any replacement bag complies with the mower manufacturer's recommendations.

For replacement bags, use only factory authorized replacement bag No. 764-0158.

CONTROLS

The mower has two types of operating controls: drive controls and cutting controls.

DRIVE CONTROLS

A. **Throttle Control**—The throttle control is used to regulate the engine speed and choke the engine. The engine should be operated from ¾ to full throttle when operating the cutting deck. See figure 19.

B. **Ignition Switch**—The ignition switch is located on the right hand side of the console. See figure 19.

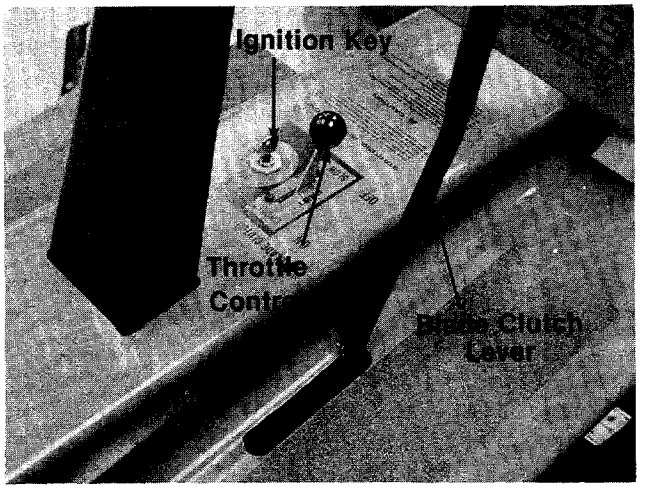


FIGURE 19.

C. **Brake/Clutch Pedal**—The brake/clutch pedal is located on the right hand side of the rider and is operated by depressing the right foot. The brake/clutch pedal is used to disengage the drive mechanism. Depressing the brake/clutch pedal at any time will reduce mower speed. If depressed all the way, it will stop the mower. See figure 20.

D. **Parking Brake**—The parking brake is located directly behind the brake/clutch pedal on the right hand side of the rider. To engage the parking brake, first fully depress the brake/clutch pedal. Lift the parking brake bracket by hand, and pivot forward until it seats itself into one of the notches in the brake/clutch pedal. See figure 20.

NOTE

The parking brake in figure 20 is shown in the locked position.

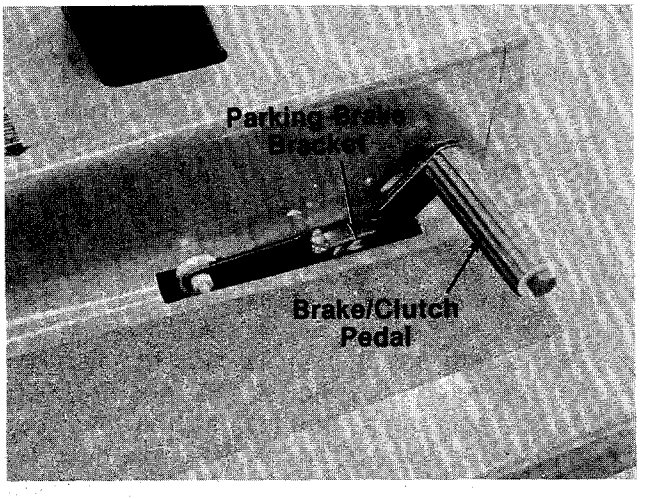


FIGURE 20.

To disengage the parking brake bracket, fully depress the brake/clutch pedal to take the pressure off the bracket. While holding the pedal in a depressed position, lift the bracket up, free of the notch of the pedal. The foot pedal will rise for normal operation.

E. Gear Shift Lever—The gear shift lever is located on the right hand side of the rider beside the seat. The gear shift lever is used to select **one of four forward gears, neutral or reverse.** See figure 21. To put the rider in reverse, you must lift the shift lever and pull back. The unit must be completely stopped before changing gears.

FIGURE 21.

CUTTING CONTROLS

A. Blade Clutch Lever—The blade clutch lever is located in the left hand side of the console. To engage the blade, push the lever forward. To disengage (or turn blade off), pull lever towards you. See figure 19.

B. Deck Height Adjustment Lever—The deck height adjustment lever is located on the left hand side of the deck. It is used to adjust the cutting height to one of five positions. To lower the cutting height, push the lever outward and forward. To raise the deck, push the lever outward and pull back. See figures 22 and 23.

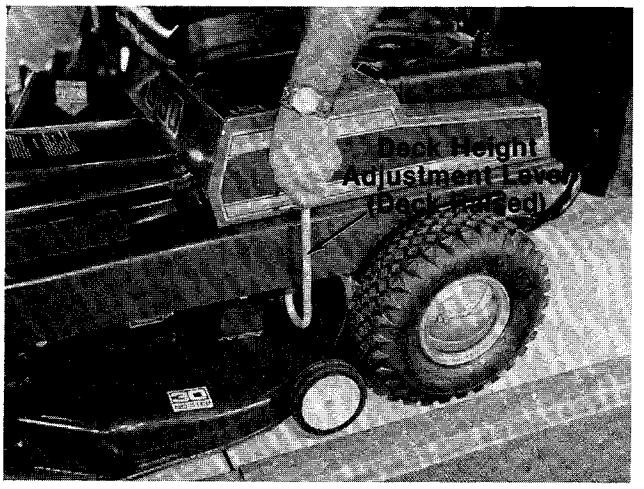


FIGURE 22.

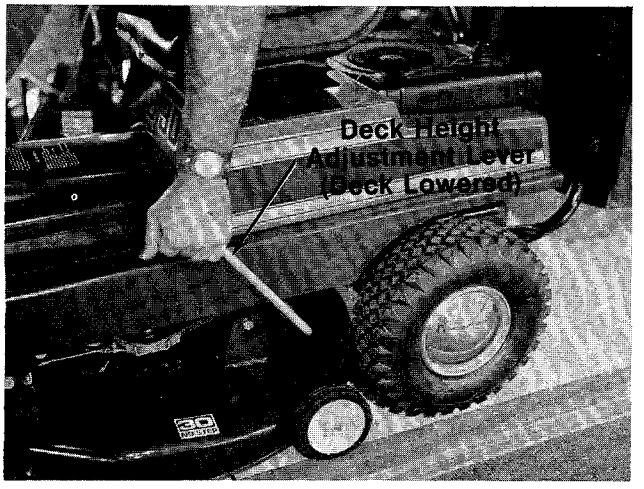


FIGURE 23.

OPERATION

CAUTION

1. Keep all shields in place.
2. Before leaving operator's position:
   a. Shift transmission to neutral
   b. Set parking brake
   c. Disengage attachment clutch
   d. Shut off engine
   e. Remove ignition key
3. Wait for all movement to stop before servicing machine.
4. Keep people and pets a safe distance away from machine.
5. Look to the rear before backing up.

CAUTION

DO NOT OPERATE MOWER UNLESS GUARD OR ENTIRE GRASS CATCHER IS IN ITS PROPER PLACE.

WARNING

Mower deck is equipped with a safety switch. Engine **will not** run if operated without either the chute deflector or the grass catcher assembly in correct operating position. If chute deflector is raised for any reason during operation, engine will shut off.

STARTING THE ENGINE

1. Fill the crankcase with oil as recommended in the engine manual. Fill the fuel tank with clean, fresh, **regular** gasoline.
2. Attach the wire to the spark plug.
3. Depress the brake/clutch pedal and lock down.
4. Place the blade clutch lever in the disengaged (Off) position. See figure 19.
5. Place the gear shift lever in the neutral (N) position. See figure 21.
6. Place the throttle control in the choke position.
7. Turn the ignition key to the "START" position. When the engine is running, let the key return to the "ON" position.
8. When engine is running smoothly, take throttle control out of CHOKE position. Set it so engine runs at fast idle.

NOTE

This unit is equipped with a safety interlock system for your protection. The purpose of the safety interlock system is to prevent the engine from cranking or starting unless the brake/clutch pedal is depressed and the blade disengagement lever is in the disengaged position.

WARNING

Do not operate the rider if the interlock system is malfunctioning because it is a safety device, designed for protection.

STOPPING THE ENGINE

Turn the ignition key to the left to the "OFF" position. Remove the key to prevent accidental starting.

OPERATING THE MOWER

1. Set the desired cutting height. See "Cutting Controls."
2. Start the engine as instructed previously.

NOTE

A brief break-in period is essential to ensure maximum engine and mower life. The break-in consists of running the engine at half speed for the period of time required to use one tank of gasoline. It is also recommended to change crankcase oil after the first 2 hours of operation.

3. Release parking brake. Brake MUST be disengaged before mower is moved.
4. Depress the brake/clutch pedal, then select desired operating gear with the gear shift lever.

NOTE

DO NOT change gears unless the mower is completely stopped. DO NOT force the gear shift lever! If the lever cannot be moved from neutral to one of the drive positions, release the clutch pedal slowly, depress it again, and then move the gear shift lever as required.

5. Release brake/clutch pedal smoothly. Mower will move forward or backward (depending on which gear has been selected). Adjust speed with throttle control, and guide mower with steering wheel.
6. To stop the mower, step on the brake/clutch pedal with your right foot. Place the gear shift lever in neutral.

7. OPERATING THE CUTTING BLADE: The blade clutch lever controls the cutting blade. The blades may be engaged either when the mower is stopped or when it is moving. However, be careful to engage the blades gradually: engaging them abruptly may stall the motor.

   To stop the blade, move the blade clutch lever to the **disengaged** (OFF) position.

WARNING

KEEP FEET AND HANDS AWAY FROM THE DISCHARGE OPENING AND AWAY FROM THE CUTTING BLADE WHEN THE BLADE IS ENGAGED.

8. Stop the mower when task is completed. If the mower is not to be used for a long period, put the transmission in neutral and turn off the engine. Remove key to prevent accidental starting.

WARNING

Do not leave the mower unattended on an incline; park it on level ground.

IMPORTANT

After striking a foreign object, stop the engine (motor). Remove wire from spark plug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.

ADJUSTMENTS

CARBURETOR ADJUSTMENT (See figure 24)

WARNING

If any adjustments are made to the engine while the engine is running (e.g. carburetor), disengage all clutches, and blades. Keep clear of all moving parts. Be careful of heated surfaces and muffler.

Minor carburetor adjustment may be required to compensate for differences in fuel, temperature, altitude and load.

To Adjust Carburetor—Turn needle valve clockwise until it closes.

CAUTION

Valve may be damaged by turning it in too far.

Now open needle valve 1-1/8 turns counterclockwise. Close idle valve in same manner and open 1-1/8 turns. This initial adjustment will permit the engine to be started and warmed up prior to final adjustment.

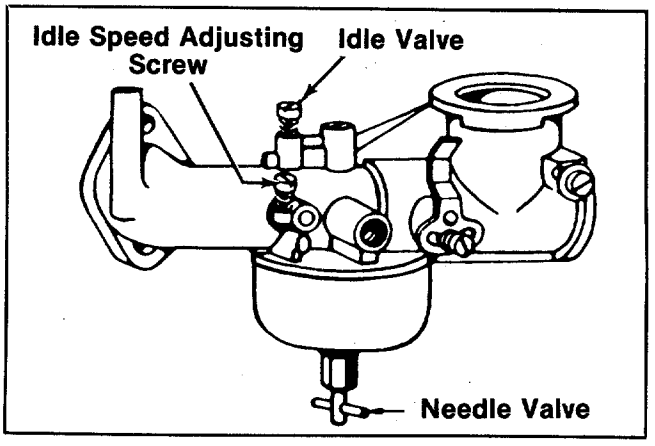


FIGURE 24. CARBURETOR ADJUSTMENT

Final Adjustment—Turn needle valve in until engine misses (lean mixture). Then turn it out past smooth operating point until engine runs unevenly (rich mixture). Now turn needle valve to the midpoint between rich and lean so the engine runs smoothly. Hold throttle at idle position, and set idle speed adjusting screw until fast idle is obtained (1750 RPM). Hold throttle in idle position and turn idle valve in (lean) and out (rich) until engine idles smoothly. Then reset idle speed adjusting screw so that engine idles at 1750 RPM. Release throttle. Engine should accelerate without hesitation or sputtering. If engine does not accelerate properly, the carburetor should be readjusted to a slightly richer mixture.

CARBURETOR CHOKE ADJUSTMENT

Proper choke operation is dependent upon proper adjustment of remote controls on the powered equipment.

To Check Operation of Choke-A-Matic Controls:

Move control lever to CHOKE position. See figure 19. The carburetor choke should be closed.

NOTE

The air cleaner can be removed to check the operation of the choke.

To Adjust:

Place control lever on equipment in "FAST" (high speed) position. Loosen control casing clamp screw B. Move control casing A and wire until lever D touches choke operating link at C. Tighten casing clamp screw B. See figure 25.

Refer to the Engine Manual for additional adjustment instructions.

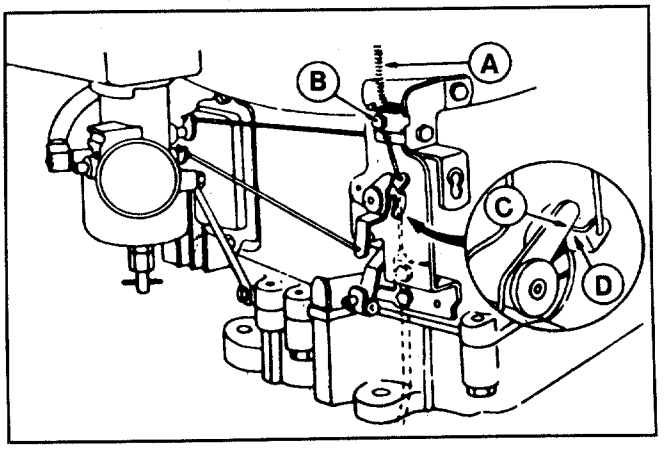


FIGURE 25. CHOKE ADJUSTMENT

CHAIN

The chain requires adjustment after the first hour of operation. Located on the right hand side of frame is the hex nut for chain adjustment. See figure 26. With a ½" wrench, loosen the hex bolt on chain idler and slide the bolt forward to tighten the chain. See figure 26. Tighten bolt securely.

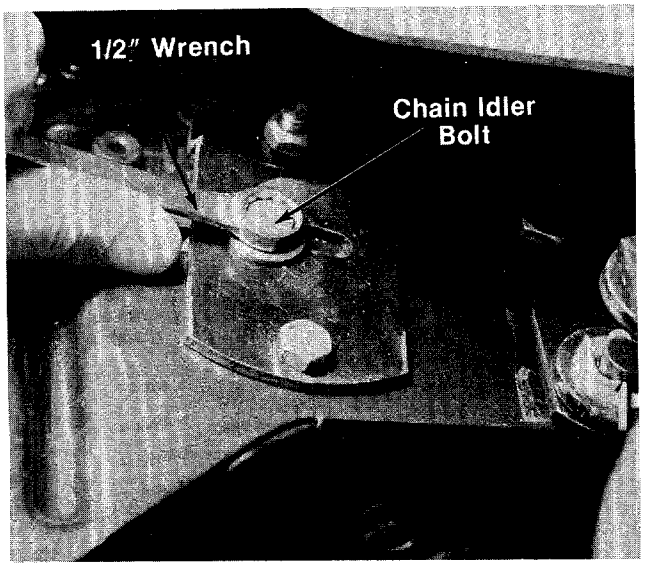


FIGURE 26.

BRAKE

During normal operation of this machine, the brake is subject to wear and will require periodic examination and adjustment.

The brake is located on the right hand side of rear axle under the frame. To adjust the brake, remove the cotter pin from castle nut. Tighten the castle nut on cam lever. See figure 27. A ½" wrench is required.

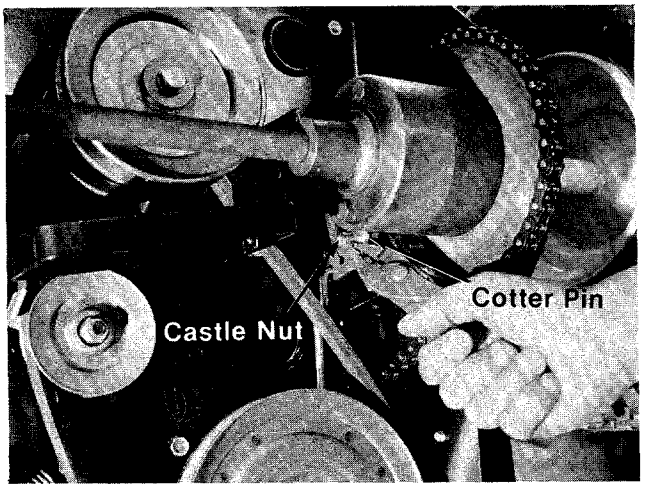


FIGURE 27.

CUTTING DECK WHEEL

When the cutting deck cuts uneven, it may be necessary to raise or lower one of the cutting deck wheels.

1. To lower the cutting deck, remove the shoulder bolt and hex nut and reassemble in bottom hole.
2. To raise the cutting deck, remove the shoulder bolt and hex nut and reassemble in top hole.

LUBRICATION

IMPORTANT

Always stop engine and disconnect spark plug wire before cleaning, lubricating or doing any kind of work on lawn mower.

1. **Engine.** Maintain the engine oil according to the engine manual.
2. **Bearings.** The bearings listed below do not require lubrication. However, their normal life can be extended by lubricating them once a season with a light, non-detergent oil. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

a. King Pin Bearings (total 4 bearings)
b. Rear Axle Bearings (total 3 bearings)
c. Front Wheel Bearings (total 4 bearings)

3. **Throttle Control and Cable.** Wipe oiled rag along entire length of cable.

4. **Chain.** Wipe oiled rag along entire length of chain. See figure 28.

NOTE

Under extremely dusty conditions do not oil the chain.

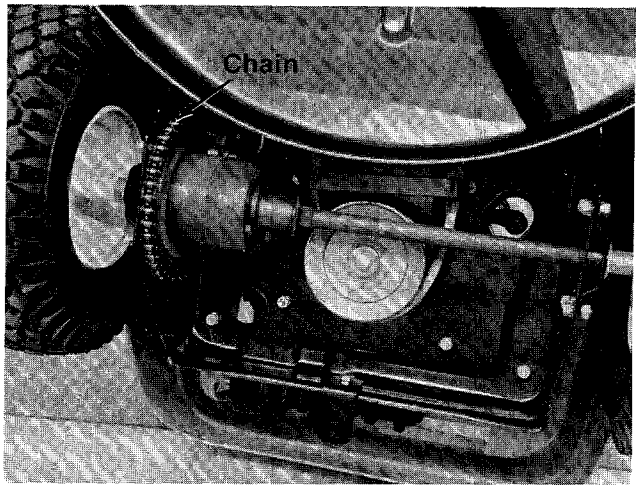


FIGURE 28.

5. **Linkage.** Oil all deck linkage and height adjustment linkage.

6. **Transmission.** Lubricated at the factory, does not require checking. Lubricate with 4 oz. of Lubriplate No. 310 if disassembled.

7. **Differential.** Lubricated at the factory, does not require checking. Lubricate with 2 oz. of grease High Temp. 450° F. if disassembled. If ordered from the factory use Part No. 737-0120.

8. **Steering.** Lubricate at least once a season with oil.

9. Grease the rack and pinion on the steering shaft at least once a season with automotive chassis grease. See figure 29.

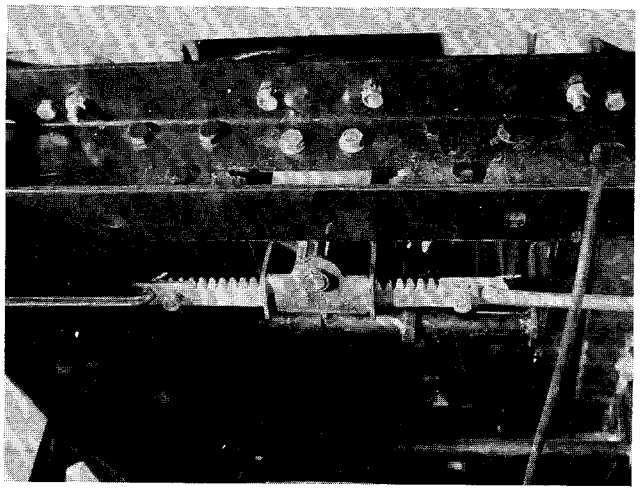


FIGURE 29.

MAINTENANCE

WARNING

Disconnect spark plug wire and ground it against the engine before performing any repairs or maintenance.

CRANKCASE OIL

To ensure maximum engine performance, perform the following periodic maintenance:

Oil Check

Check the oil level in the crankcase before each use of the machine and after every five hours of operation. Oil should be kept between the add and full marks on the dipstick.

After the first two hours of operating a new engine, drain the oil (see figure 30) from the crankcase while engine is still hot and refill crankcase with new oil; thereafter change the oil every 25 hours of operation. This procedure ensures minimum wear of engine parts. To change the oil, proceed as follows:

1. With the machine on level ground, place a suitable metal container under the oil drain plug located under left hand side of frame. See figure 30.

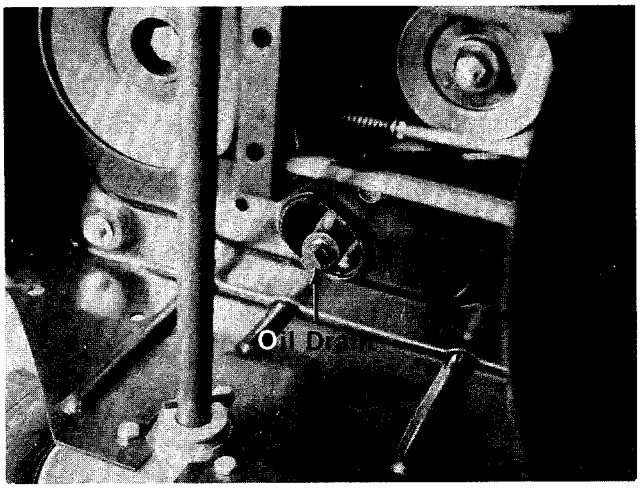


FIGURE 30.

2. After the oil has been drained completely from the crankcase, replace the drain plug and tighten.
3. Refill crankcase with 2¼ pints of good quality, type MS, engine oil. In summer, use SAE 30; in winter (below 40°F), use SAE 5W-20 or SAE 10W.

AIR CLEANER

Under normal operating conditions, the air cleaner, located on top of the carburetor, must be serviced after every ten hours of use. Under extremely dusty operating conditions, the air cleaner must be serviced after every hour of operation. See figure 31.

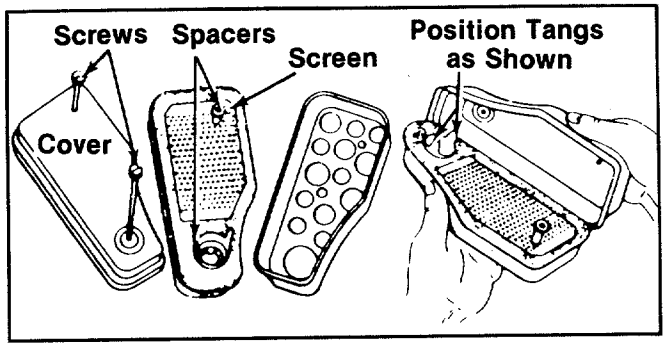


FIGURE 31.

When assembling the air cleaner, make certain the lip of the foam element extends over edge of the air cleaner body. The foam element will form a protective seal.

1. Remove two screws and lift off complete air cleaner assembly.
2. Remove screen and spacers from foam element.
3. Remove foam element from air cleaner body.
4. a. Wash foam element in kerosene or liquid detergent and water to remove dirt.
   b. Wrap foam in cloth and squeeze dry.
   c. Saturate foam in SAE 30 engine oil, then squeeze out excess oil.
   d. Assemble parts. Fasten to carburetor with screw.

CLEANING ENGINE AND BLADE HOUSING

Any fuel or oil spilled on the machine should be wiped off promptly. Grass, leaves, and other dirt must not be left to accumulate around the cooling fins of the engine or on any part of the machine.

Clean the underside of the blade housing after each mowing.

BELTS

Check that belts are free of oil or dirt. Wipe the belts periodically with a clean rag.

SPARK PLUG

The spark plug should be cleaned (see figure 32) and the gap reset to a 0.030-inch clearance once a season (see figure 33). Spark plug replacement is recommended at the start of each mowing season; check engine manual for correct plug type.

NOTE

Whenever the spark plug is removed for cleaning, it is advisable to replace the spark plug gasket with a new gasket.

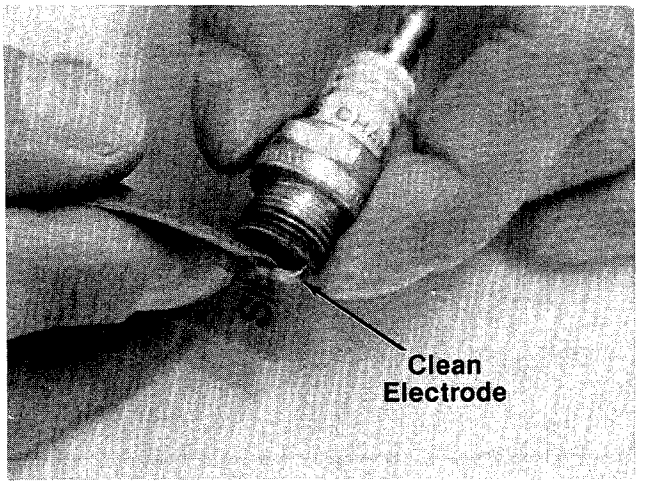


FIGURE 32.

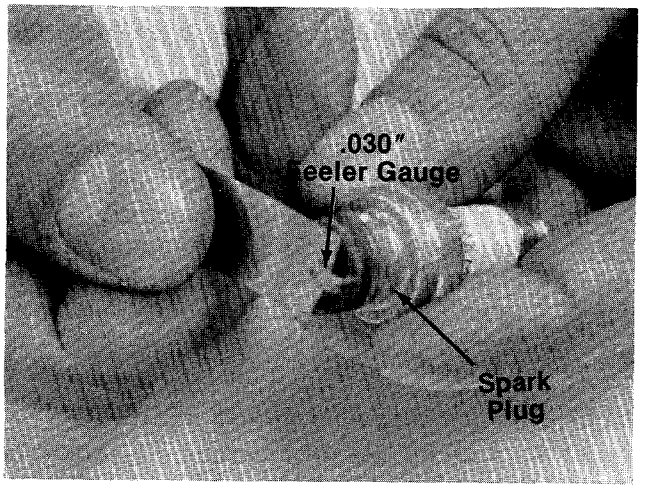


FIGURE 33.

CUTTING BLADE

A. Removal for Sharpening or Replacement

WARNING

Be sure to disconnect and ground the spark plug wire before working on the cutting blade to prevent accidental engine starting.

1. Remove the large bolt and lock washer which holds the blade and adapter to the blade spindle. See figure 34.
2. Remove the blade and adapter from the spindle. Be careful not to lose the key on the spindle.
3. If the blade or blade adapter needs replacing, remove the two small bolts, lock washers and nuts which hold the blade to the adapter.

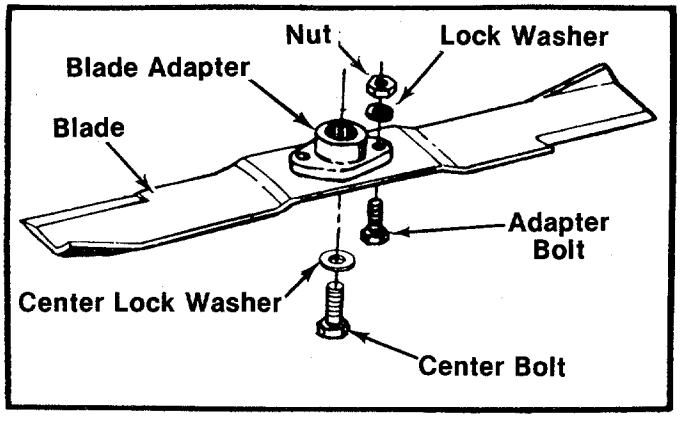


FIGURE 34.

B. Sharpening

Remove the cutting blade by following the directions of the preceding section.

When sharpening the blade, follow the original angle of grind as a guide. It is **extremely important** that each cutting edge receives an equal amount of grinding to prevent an unbalanced blade. An unbalanced blade will cause excessive vibration when rotating at high speeds and may cause damage to the mower.

The blade can be tested for balance by balancing it on a round shaft screwdriver. Remove metal from the heavy side until it balances evenly.

NOTE

It is recommended that the blade always be removed from the adapter for the best test of balance.

C. Reassembly

Before reassembling the blade and the blade adapter to the unit, lubricate the spindle and the inner surface of the blade adapter with light oil. Lubricating the bolt holes, bolts and inner surface of the nuts with light oil is also recommended. A 4 oz. plastic bottle of light oil lubricant is available. Order part number 737-0170. Engine oil may also be used.

When replacing the blade, be sure to install the blade with the side of the blade marked "Bottom" (or with part number) facing the ground when the mower is in the operating position. Make certain key is in place on the blade spindle.

Blade Mounting Torque

3/8" Dia. Bolt 375 in. lb. min., 450 in. lb. max.
5/16" Dia. Bolt 150 in. lb. min., 250 in. lb. max.

To insure safe operation of your unit, ALL nuts and bolts must be checked periodically for correct tightness.

BATTERY MAINTENANCE

1. Check periodically (every two weeks or before and after charging) to be sure electrolyte level is above the lowest line on battery. Add only distilled water or good quality drinking water. NEVER add additional acid or other chemicals to battery after initial activation.
2. The battery should be checked with a hydrometer after every 25 hours of operation. If the specific gravity is less that 1.225, remove battery and recharge.
3. Coat the terminals and exposed wiring with a thin coat of grease or petroleum jelly for longer service and protection against electrolyte corrosion.

4. The battery should be kept clean. Any deposits of acid should be neutralized with soda and water. Be careful not to get this solution in the cells.

BATTERY STORAGE

1. Charge battery using normal methods. NEVER store discharged battery as it will not recover.
2. Store in cold, dry place.
3. Recharge battery whenever the specific gravity is less than 1.225, before returning to service, or every two months, whichever occurs first.

COMMON CAUSES FOR BATTERY FAILURE ARE:

1. Overcharging
2. Undercharging
3. Lack of water
4. Loose hold downs and/or corroded connections
5. Excessive loads
6. Battery electrolyte substitutes
7. Freezing of electrolyte

NOTE

THESE FAILURES DO NOT CONSTITUTE WARRANTY.

WHEEL ALIGNMENT

The caster (forward slant of the king pin) and the camber (tilt of the wheels out at the top) require no adjustment. Automotive steering principles have been used to determine the caster and camber on the mower. The front wheels should toe-in 1/8 inch. See figure 35.

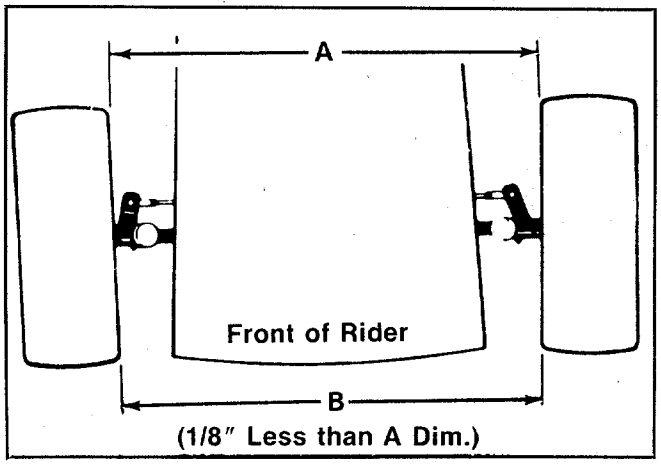


FIGURE 35.

To Align the Wheels:

1. Remove the cotter pin holding the ferrule to the front axle assembly. See figure 36.
2. Screw the ferrule in or out until the proper adjustment is made.
3. Place the ferrule back into the front axle assembly. Secure it with the cotter pin.

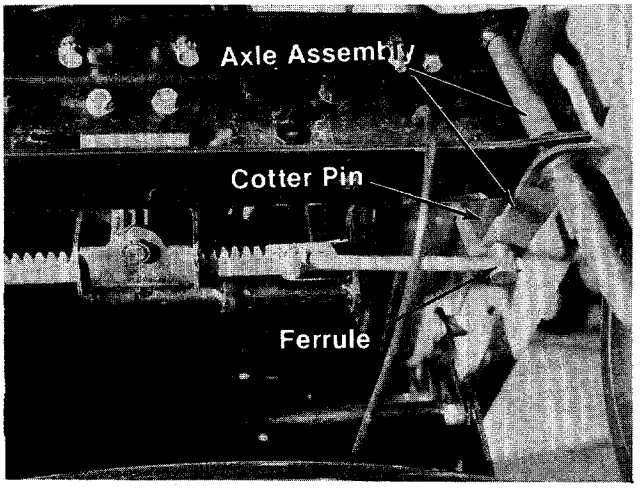


FIGURE 36.

BELT REMOVAL AND REPLACEMENT

A. Preparation

1. To prevent gasoline from leaking from the engine, remove the fuel tank cap, place a piece of thin plastic over the neck of the fuel tank and screw on the cap.
2. Disconnect the spark plug wire and ground it against the engine.
3. Remove the battery to prevent acid from leaking.
4. Tip the rider up against a wall, so that it rests on its front wheels.

WARNING

Disconnect the negative battery lead first, then the positive lead. When battery is re-installed later, reconnect the positive lead first, then the negative lead.

B. Deck Drive Belt

1. Follow the instructions in the preceding section, PREPARATION.
2. Engage the blade clutch lever.
3. Loosen (do not remove) the front shoulder bolts at deck hanger brackets. See figure 37.

4. Remove the rear shoulder bolts at deck hanger brackets. See figure 37.

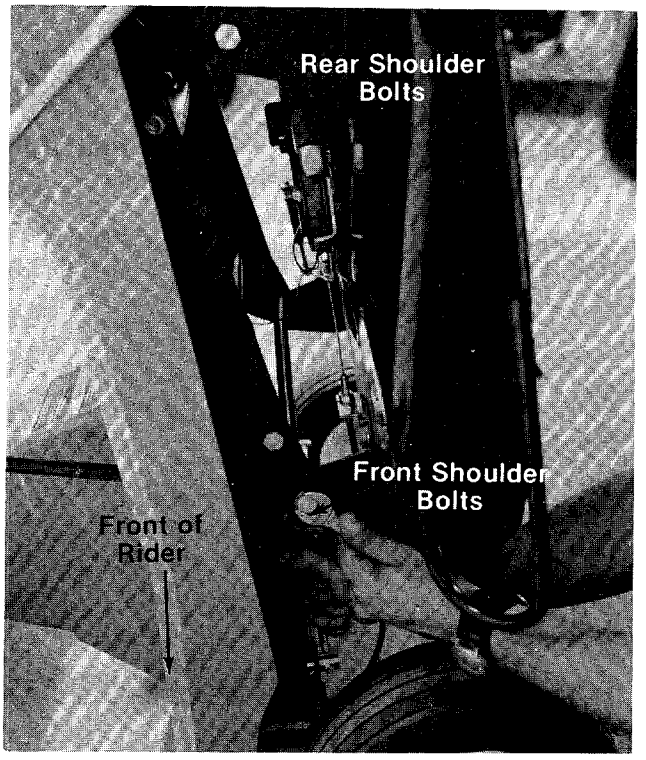


FIGURE 37.

5. Remove two hex sems bolts, nuts and lock washers from rear axle support bracket. See figure 38.

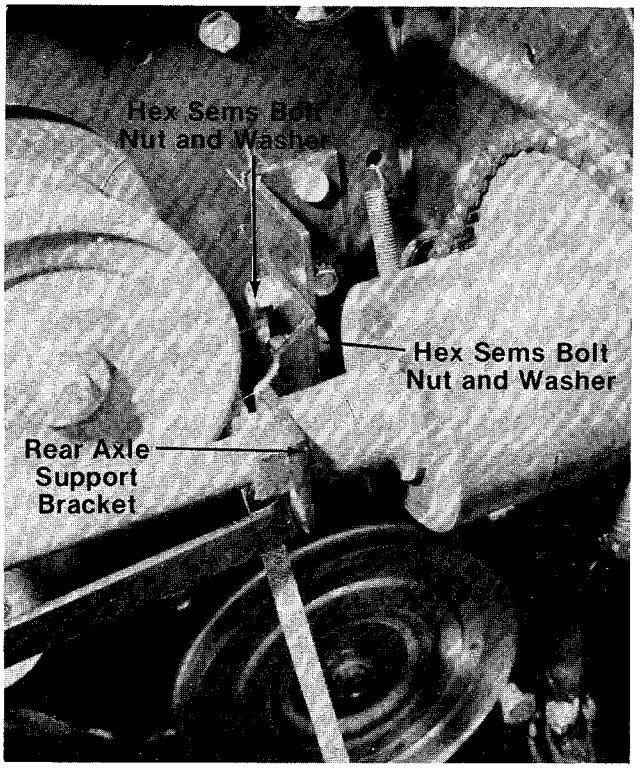


FIGURE 38.

6. Loosen (do not remove) four engine bolts. See figure 39.

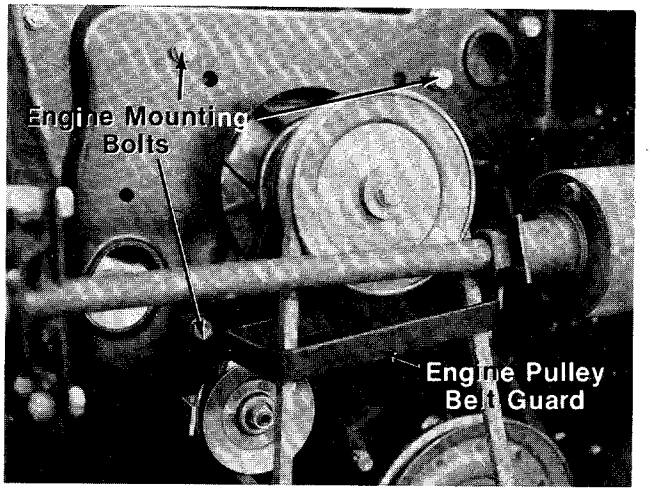


FIGURE 39.

7. Slide the rear axle support bracket and bearing to the left.

NOTE

Engine may have to be pushed up in the frame to allow clearance for rear axle support bracket. See figure 40.

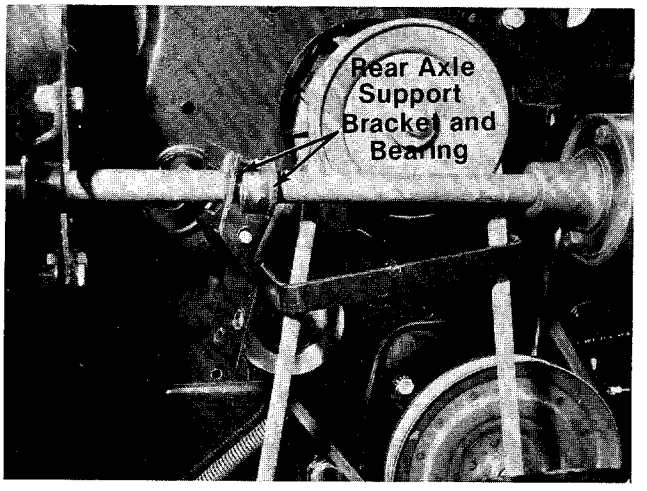


FIGURE 40.

8. Lift upward on the deck and slip the deck belt off the engine pulley. See figure 41.

9. Pull the rear of the deck back towards you and let the deck pivot down.

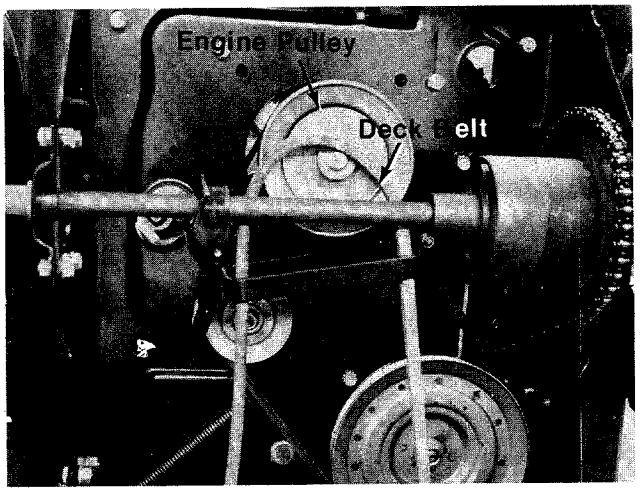


FIGURE 41.

10. Remove the belt keeper on the cutting deck. See figure 42.

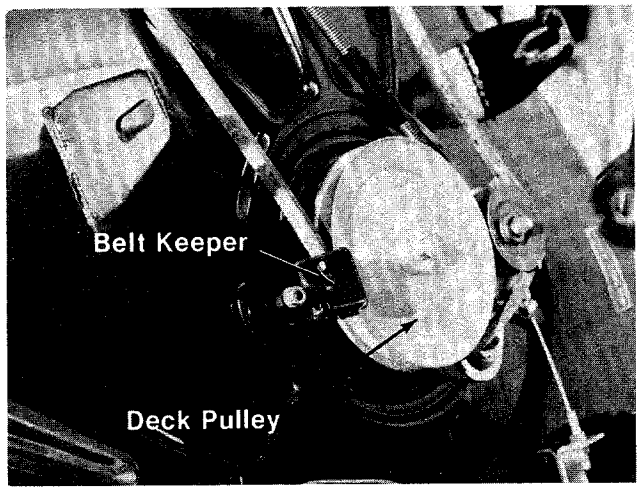


FIGURE 42.

11. Remove the idler pulley from the deck and slide the cutting deck belt off. See figure 43.
12. Reverse the preceding steps for assembly of new belt.

IMPORTANT

Make certain all engine bolts are tightened securely.

B. Drive Belt

1. Remove the deck belt as outlined in previous section.
2. Remove two front engine bolts, nuts and lock washers which hold the engine pulley belt guard in place. See figure 39.
3. Remove the idler pulley from rider frame. See figure 44.
4. Remove the two belt keepers (shoulder bolts) at the transmission pulley. See figure 45. A ¾" wrench is required.

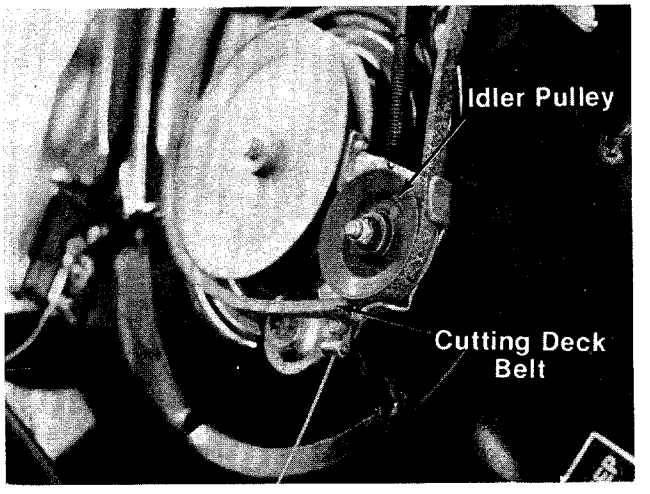


FIGURE 43.

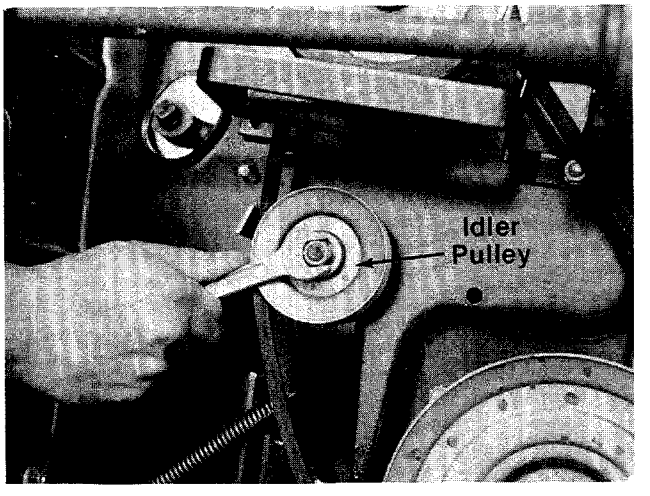


FIGURE 44.

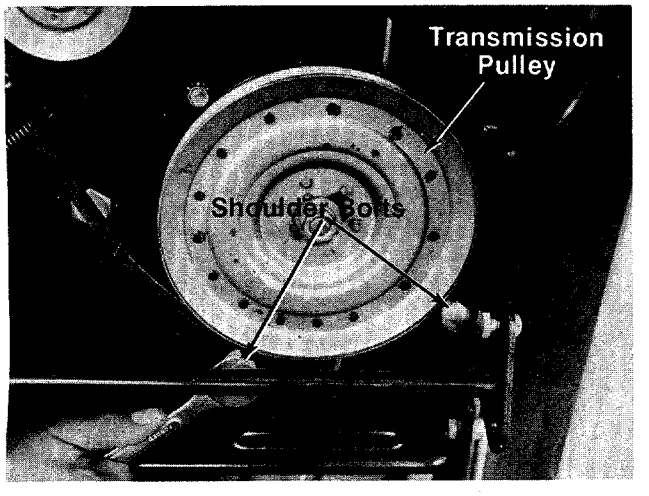


FIGURE 45.

5. Slip the belt off the transmission pulley.
6. Reverse the preceding steps for reassembly.

IMPORTANT

Make certain all engine bolts are tightened securely.

OFF-SEASON STORAGE

If the machine is to be inoperative for a period longer than 30 days, the following precautions are recommended:

1. Working outdoors, drain all fuel from the fuel tank. Use a clean dry cloth to absorb the small amount of fuel remaining in the tank, then run the engine until all fuel in carburetor is exhausted.

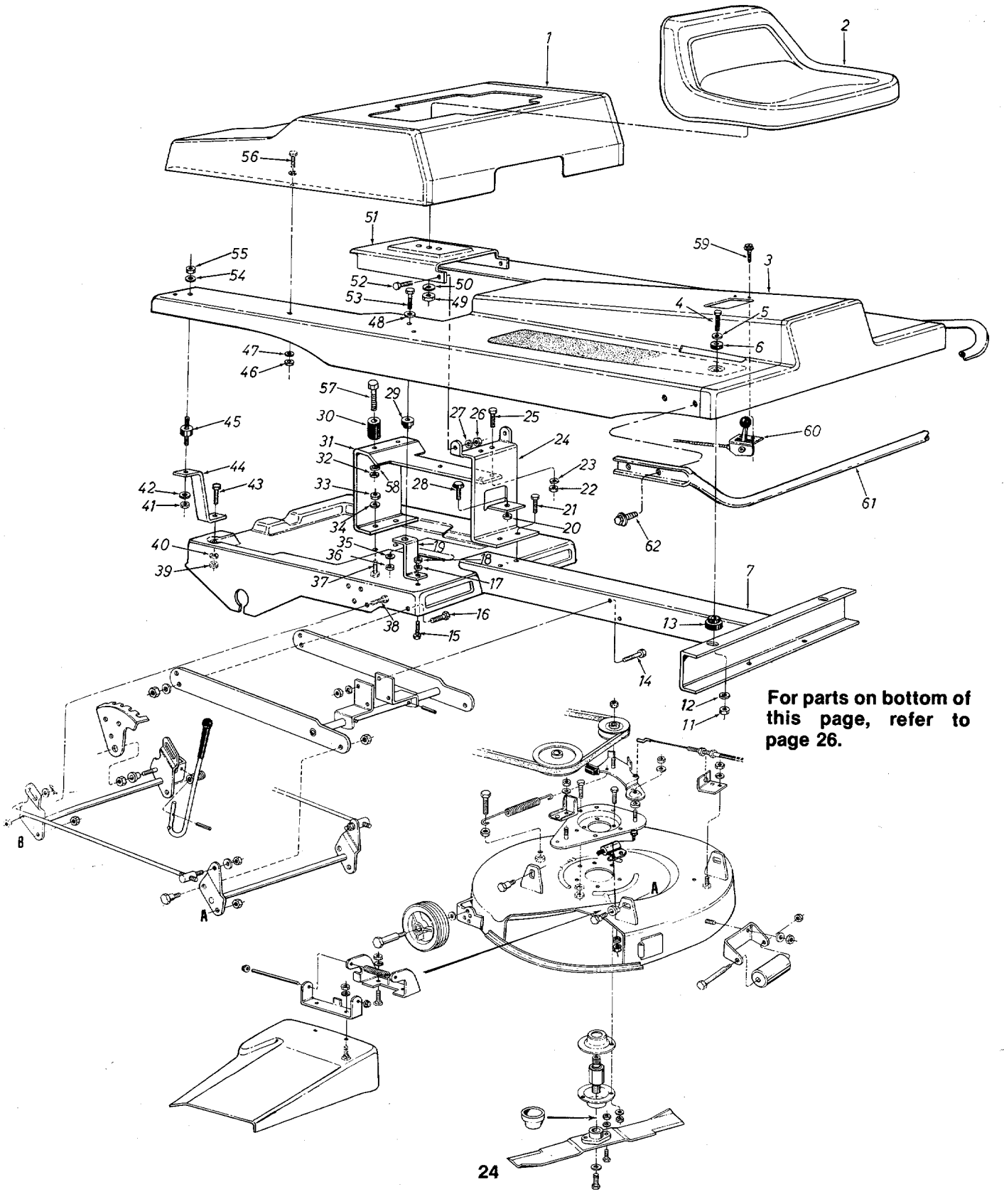
Do not drain fuel while smoking, or if near an open fire.

2. Drain all the oil from the crankcase (this should be done after the engine has been operated and is still warm). Refill the crankcase wth clean new oil.
3. Disconnect the spark plug wire and remove the spark plug from the cylinder. Pour about six drops of engine oil into the cylinder, and then pull the recoil starter several times to spread the oil on the cylinder wall. Replace the spark plug, but DO NOT connect the wire.
4. Clean the engine and the entire mower thoroughly.
5. Lubricate all lubrication points indicated in figures 28 and 29. Then wipe the entire machine with an oiled rag to protect the surfaces.

131-796A

IF YOU WRITE TO US ABOUT THIS ARTICLE OR IF YOU ORDER REPLACEMENT PARTS ALWAYS MENTION THIS MODEL & SERIAL NO

MODEL



For parts on bottom of this page, refer to page 26.

131-796A PARTS LIST FOR MODEL 131-796A RIDING MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	15108	—610	Rear Panel Ass'y.	
2	757-0264		Seat	
3	15112	—609	Foot Rest & Fender Ass'y.	
4	710-0528		Hex Scr. 5/16-18 x 1.25" Lg.*	
5	736-0264		Fl-Wash. .31" I.D. x .75" O.D. x .062	
6	735-0126		Rubber Washer	
7	15011	—609	Lower Frame Ass'y.	
11	712-0267		Hex Nut 5/16-18 Thd.*	
12	736-0119		L-Wash. 5/16" Scr.*	
13	735-0187		Rubber Washer Body Mtg.	
14	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
15	710-0376		Hex Scr. 5/16-18 x .75" Lg.	
16	710-0253		Hex Scr. 3/8-16 x 1.00" Lg.*	
17	736-0119		L-Wash. 5/16 Scr.*	
18	712-0267		Hex Nut 5/16-18 Thd.*	
19	15133		Center Support Brkt.	
20	715-0107		Speed Nut #8-32 Thd.	
21	710-0376		Hex Scr. 5/16-18 x .75 Lg.	
22	712-0267		Hex Nut 5/16-18 Thd.*	
23	736-0119		L-Wash. 5/16 Scr.*	
24	15117		Seat Mtg. Brkt. Front	
25	710-0376		Hex Scr. 5/16-18 x .75" Lg.	
26	736-0123		Fl-Wash. .31" I.D. x 1.25" O.D.	
27	712-0267		Hex Nut 5/16-18 Thd.*	
28	735-0171		Shock Mount Rubber	
29	735-0187		Rubber Washer Body Mtg.	
30	735-0642		Shock Mount Rubber	
31	15116		Seat Mtg. Brkt. Rear	
32	712-0121		Hex Nut #10-24 Thd.	
33	712-0267		Hex Nut 5/16-18 Thd.*	
34	736-0119		L-Wash. 5/16" Scr.*	
35	736-0119		L-Wash. 5/16" Scr.*	
36	712-0267		Hex Nut 5/16-18 Thd.*	
37	710-0376		Hex Scr. 5/16-18 x .75" Lg.*	
38	738-0269		Shld. Scr. .50" Dia. x .280" Lg.	
39	712-0267		Hex Nut 5/16-18 Thd.*	
40	736-0119		L-Wash. 5/16" Scr.*	
41	712-0267		Hex Nut 5/16-18 Thd.*	
42	736-0119		L-Wash. 5/16" Scr.*	
43	710-0376		Hex Scr. 5/16-18 x .75" Lg.	
44	15119		Floor Mtg. Brkt.	
45	735-0198		Shock Mounts Rubber	
46	712-0267		Hex Nut 5/16-18 Thd.*	
47	736-0119		L-Wash. 5/16" Scr.*	
48	736-0264		Fl-Wash. .31" I.D. x .75" O.D. x .062	
49	712-0206		Hex Nut ½-13 Thd.*	
50	736-0921		L-Wash. ½" Scr.*	
51	15115	—452	Seat Pivot Brkt.	
52	710-0376		Hex Scr. 5/16-18 x .75" Lg.*	
53	710-0528		Hex Scr. 5/16-18 x 1.25" Lg.*	
54	736-0119		L-Wash. 5/16" Scr.*	
55	712-0267		Hex Nut 5/16-18 Thd.*	
56	710-0376		Hex Scr. 5/16-18 x .75" Lg.*	
57	710-0467		Truss Mach. Scr. #10-24 x 1.00" Lg.*	
58	736-0258		L-Wash. #10 Scr.*	
59	710-0351		Truss Mach. B-Tap Scr. #10 x .50" Lg.	
60	746-0319		Throttle Control Ass'y. Comp.	
61	749-0398		Front Bumper Chrome (Optional)	
62	710-0776		Hex Wash. Hd. Self-Tap. Scr. ¼ x .62" Lg. (Optional)	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

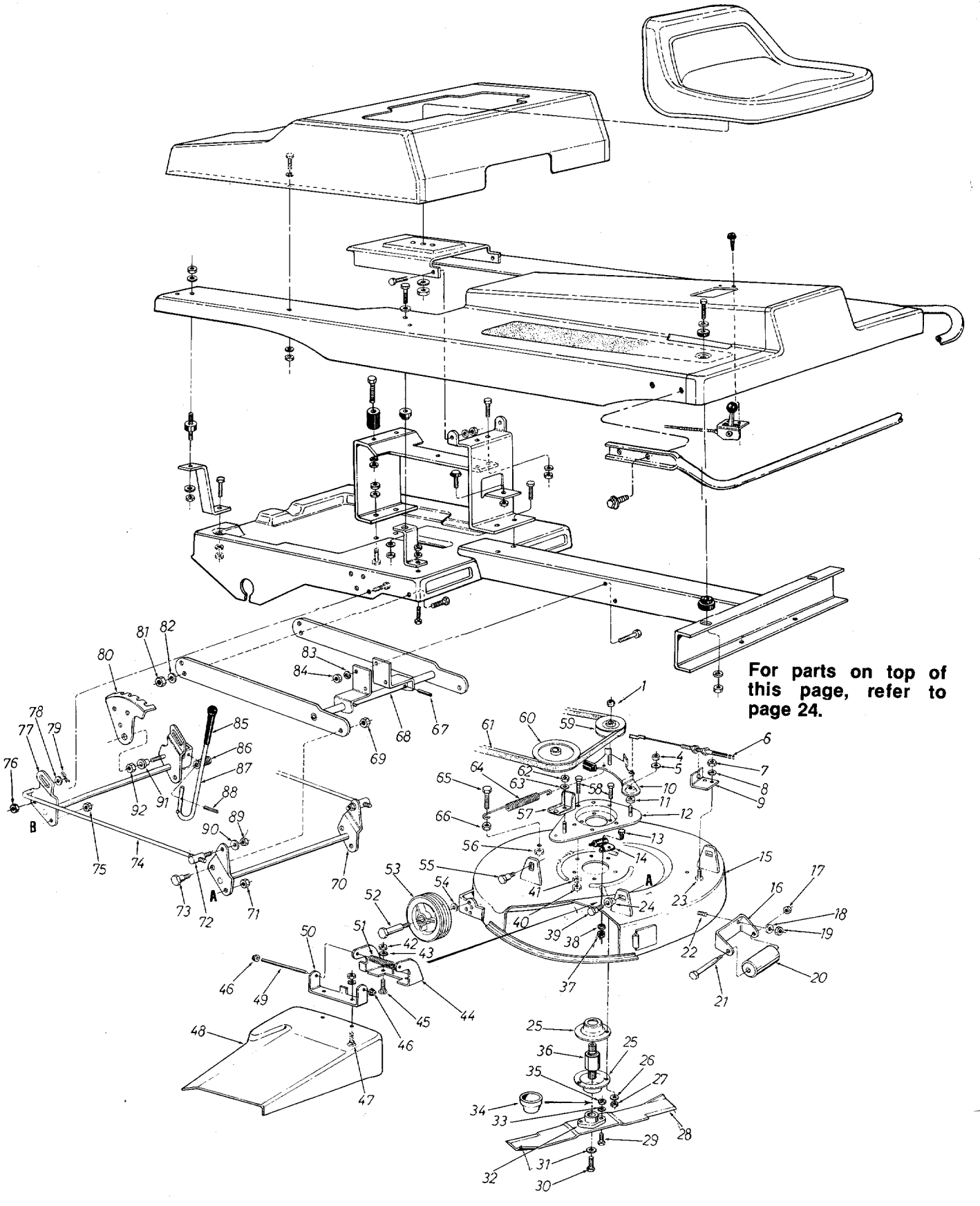
(462—Red Flake)
(609—Burgundy)
(610—Rose)

When ordering parts, if color or finish is important use the appropriate color code shown above. (e.g. Burgundy Finish—15112 (609).)

NOTE

This instruction manual covers various models and all specifcations shown do not necessarily apply to your model. Specifications subject to change without notice or obligation.

131-796A



For parts on top of this page, refer to page 24.

131-796A PARTS LIST FOR MODEL 131-796A RIDING MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	712-0116		Hex Ins. L-Nut 3/8-24 Thd.	
4	712-0267		Hex Nut 5/16-18 Thd.*	
5	736-0231		Fl-Wash. .312" I.D. x 1.12" O.D.	
6	746-0383		Clutch Cable	
7	712-0287		Hex Nut 1/4-20 Thd.*	
8	736-0329		L-Wash. 1/4" Scr.*	
9	15093		Cable Brkt.	
10	15224		Deck Idler Brkt. Ass'y.	
11	750-0258		Spacer .315" I.D. x .75" O.D. x .370	
12	15076		Spindle Mount Brkt. Ass'y.	
13	710-0258		Hex Scr. 1/4-20 x .62" Lg.*	
14	725-0269		Safety Switch	
15	15180	—609	30" Deck Ass'y.	
16	15104		Brkt. Roller Mtg.	
17	712-0798		Hex Nut 3/8-16 Thd.*	
18	736-0119		L-Wash. 5/16" Scr.*	
19	712-0267		Hex Nut 5/16-18 Thd.*	
20	731-0397		Roller	
21	738-0114		Shld. Scr. .50" Dia. x 4.75" Lg.	
22	710-0260		Carr. Bolt 1/4-20 x .62" Lg.*	
23	710-0134		Carr. Bolt 1/4-20 x .62" Lg.*	
24	748-0180		Pivot Slide	
25	12724		Blade Spindle Hsg. Half	
26	736-0119		L-Wash. 5/16" Scr.*	
27	712-0267		Hex Nut 5/16-18 Thd.*	
28	742-0193		30" Blade	
29	710-0117		Hex Scr. 5/16-24 x 1.00" Lg. H.T.	
30	710-0180		Hex Scr. 3/8-24 x .75" Lg. H.T.	
31	736-0217		L-Wash. 3/8" Scr. H.D.	
32	753-0210		Kit—Blade Adapter Ass'y.	
33	736-0119		L-Wash. 5/16" Scr.	
34	—		Order Ref. No. 32	
35	712-0123		Hex Nut 5/16-24 Thd.*	
36	741-0211		Blade Spindle	
37	712-0287		Hex Nut 1/4-20 Thd.*	
38	736-0329		L-Wash. 1/4" Scr.*	
39	738-0141		Shld. Scr. .437" Dia. x .350" Lg.	
40	712-0267		Hex Nut 5/16-18 Thd.*	
41	736-0119		L-Wash. 5/16" Scr.*	
42	712-0287		Hex Nut 1/4-20 Thd.*	
43	736-0329		L-Wash. 1/4" Scr.*	
44	15226	—609	Deck Hinge Brkt.	
45	710-0134		Carr. Bolt 1/4-20 x .62" Lg.*	
46	726-0106		Push Nut 1/4" Rod	
47	710-0134		Carr. Bolt 1/4-20 x .62" Lg.*	
48	15191	—609	Deck Deflector Chute	
49	747-0303		Hinge Pin	
50	15192	—609	Deflector Hinge Brkt.	
51	732-0370		Torsion Spring	
52	738-0373		Shld. Scr. .478 Dia. x 1.53" Lg.	
53	734-0973		Wheel Ass'y.—Deck 5"	
54	736-0105		Bell. Wash.	
55	738-0269		Shld. Scr. .50" Dia. x .280" Lg.	
56	712-0267		Hex Nut 5/16-18 Thd.*	
57	10426		Belt Keeper	
58	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
59	756-0116		Idler Pulley Ass'y.	
60	756-0291		Deck Pulley 5/8" V-7.0" Dia.	
61	754-0198		"V"-Belt 62" Lg. (Special)	
62	712-0267		Hex Nut 5/16-18 Thd.*	
63	736-0119		L-Wash. 5/16" Scr.*	
64	732-0308		Idler Spring	
65	710-0376		Hex Scr. 5/16-18 x 1.00" Lg.*	
66	712-0267		Hex Nut 5/16-18 Thd.*	
67	715-0120		Spring Pin Spiral	
68	15078		Hanger Support Ass'y.	
69	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
70	15081		Hanger Brkt. Ass'y.—Front	
71	712-0134		Hex Cent. L-Nut 5/16-24 Thd.	
72	711-0633		Ferrule—Height Adj.	
73	738-0269		Shld. Scr. .50 Dia. x .280" Lg.	
74	747-0242		Height Adjustment Rod	
75	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
76	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
77	15084		Hanger Brkt. Ass'y.—Rear	
78	736-0195		Fl-Wash. .344" I.D. x .080" O.D.	
79	714-0104		Hairpin Cotter	
80	15088		Index Brkt.	
81	712-0798		Hex Nut 3/8-16 Thd.*	
82	736-0217		L-Wash. 3/8" Scr. H.D.	
83	736-0119		L-Wash. 5/16" Scr.*	
84	712-0267		Hex Nut 5/16-18 Thd.*	
85	720-0143		Grip	
86	732-0186		Compression Spring	
87	747-0241		Height Adj. Lever	
88	715-0120		Spring Pin Spiral 3/16" Dia. x 1.00" Lg.	
89	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
90	736-0133		Fl-Wash.	
91	738-0347		Shld. Spacer	
92	712-0798		Hex Nut 3/8-16 Thd.*	

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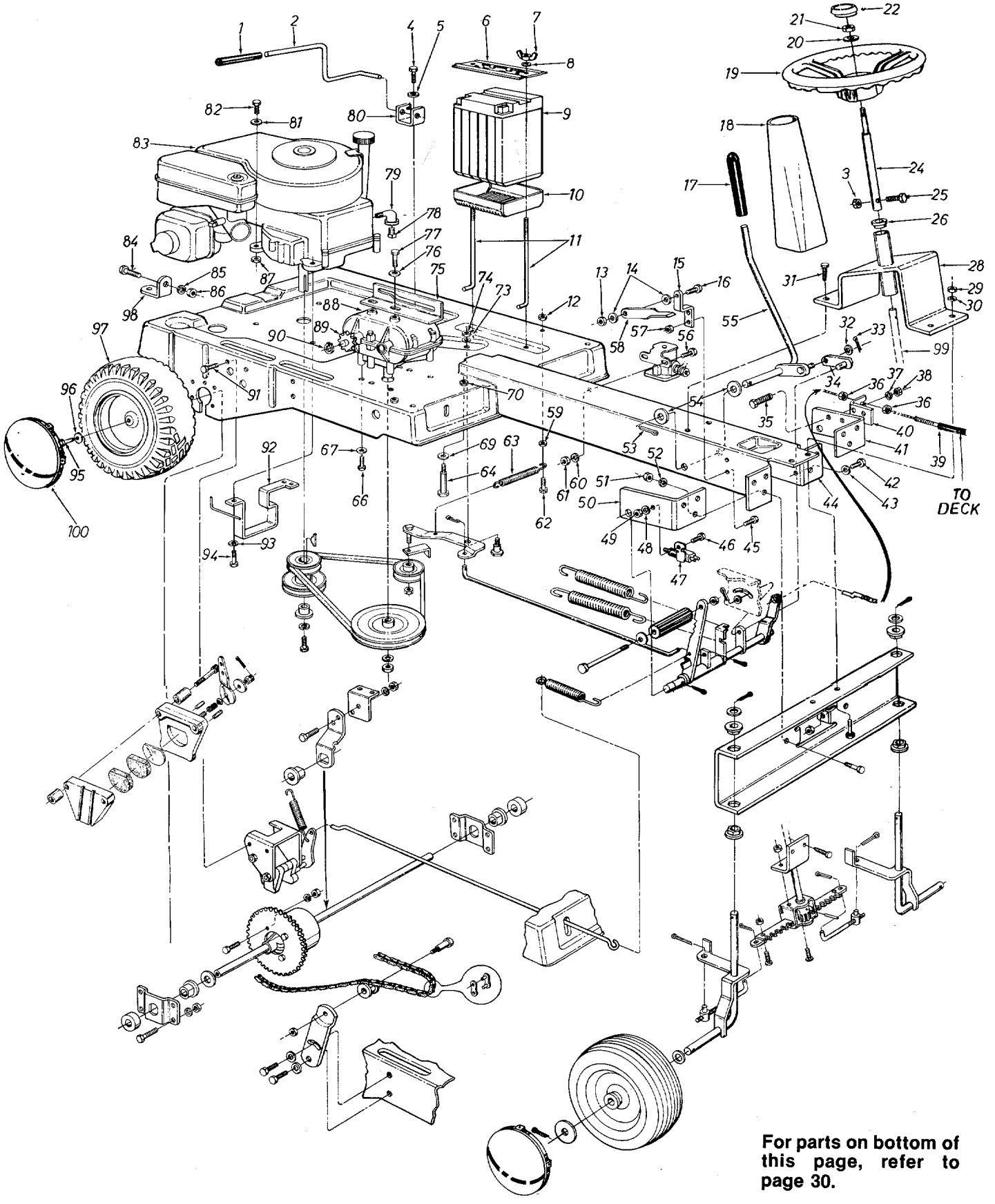
131-796A



For parts on bottom of this page, refer to page 30.

131-796A

PARTS LIST FOR MODEL 131-796A RIDING MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	720-0143		Grip	
2	747-0205		Transmission Shift Lever	
3	732-0327		Transmission Lever Spring	
4	710-0513		Hex Scr. ¼-28 x .62" Lg.	
5	736-0270		Bell. Wash. .25" I.D. x .88" O.D. x .062	
6	12925		Battery Hold Down Brkt.	
7	712-0113		Wing Nut ¼-20 Thd.*	
8	736-0329		L-Wash. ¼" Scr.*	
9	725-0514		Battery	
10	735-0188		Battery Boot	
11	711-0222		Battery Hold Down Rod	
12	712-0287		Hex Nut ¼-20 Thd.*	
13	712-0107		Hex Cent. L-Nut ¼-20 Thd.*	
14	736-0142		Fl-Wash. .28" I.D. x .50" O.D. x .063	
15	15038		Brake Pivot Brkt.	
16	710-0252		Hex Scr. ¼-20 x .75" Lg.*	
17	720-0177		Grip	
18	731-0431		Cover Steering Column	
19	731-0219		Steering Wheel	
20	736-0242		Bell.Wash. .34" I.D. x .88" O.D.	
21	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
22	731-0220		Steering Wheel Cap	
24	750-0394		Steering Shaft	
25	715-0120		Spring Pin Spiral	
26	748-0249		Flange Bushing—Steering	
28	15130		Steering Support Brkt. Ass'y.	
29	712-0267		Hex Nut 5/16-18 Thd.*	
30	736-0119		L-Wash. 5/16" Scr.*	
31	710-0148		Hex Wash. Hd. Self-Tap Scr. #8 x .50" Lg.	
32	736-0300		Fl-Wash. .375 I.D. x .87 O.D.	
33	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*	
34	12951		Link Brkt. Ass'y.	
35	710-0134		Carr. Bolt ¼-20 x .62" Lg.*	
36	712-0256		Hex Jam Nut 5/16-24 Thd.	
37	736-0329		L-Wash. ¼" Scr.*	
38	712-0287		Hex Nut ¼-20 Thd.*	
39	746-0383		Clutch Cable	
40	15093		Cable Brkt.	
41	15066		Control Hanger Brkt.—L.H.	
42	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
43	736-0264		Fl-Wash. .31" I.D. x .75" O.D. x .062	
44	15011		Frame Ass'y.	
45	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
46	710-0258		Hex Scr. ¼-20 x .62" Lg.*	
47	725-0268		Safety Switch	
48	736-0329		L-Wash. ¼" Scr.*	
49	712-0287		Hex Nut ¼-20 Thd.*	
50	15065		Control Hanger Brkt. R.H.	
51	712-0798		Hex Nut 3/8-16 Thd.*	
52	736-0169		L-Wash. 3/8" Scr.*	
53	714-0470		Cotter Pin 1/8" Dia. x 1.25" Lg.*	
54	736-0162		Fl-Wash. .62" I.D. x .930 O.D. x 1.00	
55	15072		Blade Clutch Lever Ass'y.	
56	710-0252		Hex Scr. ¼-20 x .75" Lg.	
57	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
58	15059		Parking Brake Brkt.	
59	712-0287		Hex Nut ¼-20 Thd.*	
60	736-0329		L-Wash. ¼" Scr.*	
61	712-0287		Hex Nut ¼-20 Thd.*	
62	710-0597		Hex Scr. ¼-20 x 1.00" Lg.*	
63	732-0199		Idler Spring	
64	738-0117		Shld. Scr. .498" Dia. x 2.475" Lg.	
66	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
67	736-0242		Bell. Wash. .34" I.D. x .88" O.D.	
69	736-0219		Bell. Wash. .40" I.D. x 1.12" O.D.	
70	712-0798		Hex Nut 3/8-16 Thd.*	
73	736-0169		L-Wash. 3/8" Scr.*	
74	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
75	15045		Transmission Lever Brkt.	
76	736-0242		Bell. Wash. .34" I.D. x .88" O.D.	
77	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
78	—		Part of Engine	
79	737-0125		Elbow	
80	15032		Transmission Shift Yoke	
81	736-0264		Fl-Wash. .31" I.D. x .75" O.D.	
82	710-0442		Hex Scr. 5/16-18 x 1.50" Lg.*	
83	—		Engine	
84	710-0253		Hex Scr. 3/8-16 x 1.00" Lg.	
85	736-0169		L-Wash. 3/8" Scr.*	
86	712-0789		Hex Nut 3/8-16 Thd.*	
87	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
88	—		Transmission	
89	713-0208		Sprocket 8 Tooth #41 Chain	
90	716-0114		Snap Ring	
91	710-0198		Hex Sems Scr. 5/16-18 x .75" Lg.*	
92	15102		Engine Belt Keeper Ass'y.	
93	736-0169		L-Wash. 3/8" Scr.*	
94	710-0502		Self-Tap Scr.	
95	710-0627		Hex Scr. w/Lock 5/16-24 x .75" Lg.	
96	736-0242		Bell. Wash. .34" I.D. x .88" O.D.	
97	734-0715		Rear Wheel Ass'y. Comp. 14.5 x 4.5	
98	15019		Rear Hitch Brkt.	
99	738-0389		Steering Shaft	
100	734-0541		Chrome Hub Cap (Optional)	

*For faster service obtain standard nuts, bolts and washers locally. If these items cannot be obtained locally, order by part number and size as shown on parts list.

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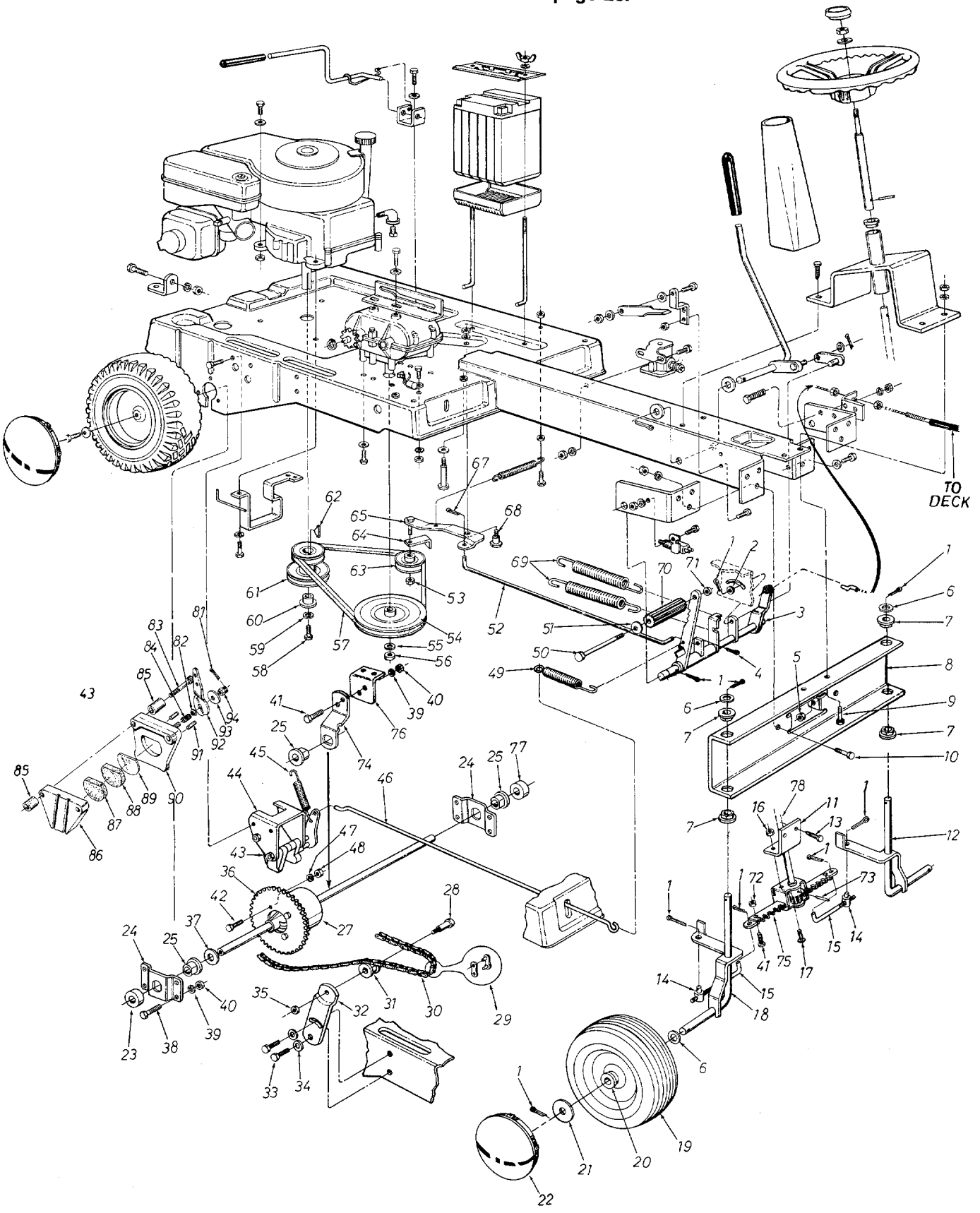
131-796A

For parts on top of this page, refer to page 28.



131-796A PARTS LIST FOR MODEL 131-796A RIDING MOWER

REF. NO.	PART NO.	COLOR CODE	DESCRIPTION	NEW PART
1	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*	
2	736-0300		Fl-Wash. .375" I.D. x .87" O.D. x .060	
3	15259		Hanger Ass'y.	
4	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*	
5	712-0158		Hex Cent. L-Nut 5/16-18 Thd.	
6	736-0116		Fl-Wash. .62" I.D. x .73" O.D. x .060	
7	748-0227		Hex Flange Brg.	
8	15131	—609	Front Axle Channel	
9	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
10	710-0253		Hex Scr. 3/8-16 x 1.0" Lg.*	
11	15124		Steering Box Mtg. Brkt.	
12	15125		Front Axle Ass'y.—L.H.	
13	710-0253		Hex Scr. 3/8-16 x 1.00" Lg.*	
14	711-0198		Ferrule	
15	747-0115		Tie Rod	
16	712-0267		Hex Nut 5/16-18 Thd.*	
17	710-0376		Hex Scr. 5/16-18 x .75" Lg.*	
18	15126		Front Axle Ass'y.—R.H.	
19	734-0949		Front Wheel Ass'y.—Comp. 11.0 x 4.00	
20	741-0313		Flange Brg.	
21	736-0285		Flat Wash.	
22	734-1002		Chrome Hub Cap	
23	750-0326		Rear Axle Spacer	
24	15123		Rear Axle Brkt.	
25	741-0199		Bushing	
27	717-0333		Differential Ass'y.	
28	738-0145		Shld. Scr. .500" Dia. x .340" Lg.	
29	713-0154		Master Link #420 Chain—½" Pitch	
30	713-0212		#420 Roller Chain x 69 Links	
31	756-0192		Plastic Fl-Idler	
32	15068		Chain Idler Arm Brkt.	
33	710-0600		Self-Tap Scr.	
34	736-0159		Fl-Wash. .31" I.D. x .87 O.D. x .062	
35	712-0375		Hex Cent. L-Nut 3/8-16 Thd.	
36	713-0238		Sprocket 42 Teeth	
37	736-0134		Fl-Wash. .75" I.D. x 1.37 O.D.	
38	710-0118		Hex Scr. 5/16-18 x .75" Lg.*	
39	712-0267		Hex Nut 5/16-18 Thd.*	
40	736-0119		L-Wash. 5/16" Scr.*	
41	710-0258		Hex Scr. ¼-20 x .62" Lg.	
42	710-0117		Hex Scr. 5/16-24 x 4.00" Lg.	
43	761-0159		Disc Brake Ass'y. Comp.	
44	11011		Disc Brake Brkt.	
45	732-0118		Brake Extension Spring	
46	747-0201		Brake Rod	
47	736-0119		L-Wash. 5/16" Scr.*	
48	712-0237		Hex Cent. L-Nut 5/16"-24 Thd.	
49	732-0331		Extension Spring	
50	710-0620		Bolt Brake Arm 3/8-24 x 4.50" Lg.	
51	736-0300		Fl-Wash. .37" I.D. x .87" O.D. x .060	
52	747-0196		Idler Arm Rod	
53	712-0214		Hex Cent. L-Nut 3/8-24 Thd.	
54	756-0268		"V" Pulley ½" Groove	
55	736-0921		L-Wash. ½" Scr.*	
56	712-0922		Hex Jam Nut ½-20 Thd.*	
57	754-0207		Drive Belt ½" x 42" Lg.	
58	710-0539		Hex Scr. 3/8-24 x 1.75" Lg.*	
59	736-0169		L-Wash. 3/8" Scr.*	
60	711-0572		Special Step Wash.	
61	756-0292		Engine Pulley	
62	714-0365		#6 Hi-Pro-Key 5/32" x 5/8" Dia.	
63	756-0116		Idler Pulley Ass'y.	
64	15035		Belt Keeper Idler Brkt.	
65	12941		Idler Brkt. Arm Ass'y.	
67	714-0507		Cotter Pin 3/32" Dia. x .75" Lg.*	
68	738-0322		Shld. Scr. .625" Dia. x .217	
69	1642-073		Traction Spring	
70	724-0155		Brake Pedal Grip	
71	712-0262		Hex Cent. L-Nut 3/8-24 Thd.	
73	715-0120		Spring Pin Spiral	
74	15167		Axle Support Brkt.	
75	11042		Steering Rack	
76	15166		Center Support Brkt.	
77	750-0190		Rear Axle Spacer	
78	738-0389		Steering Shaft	
79	15175		Steering Housing Ass'y.	
80	748-0203		12 Teeth Spur Gear	
81	HH-05-03019		Cotter Pin	
82	HH-98-06370		Spring Retainer	
83	HH-01-02073		Socket Head Bolt	
84	HH-06-03031		Compression Spring	
85	HH-11-03527		Spacer	
86	HH-12-03035		Casting Carrier Side	
87	HH-15-03145		Friction Pad	
88	HH-15-02124		Friction Pad	
89	HH-03-03303		Back-up Plate	
90	HH-12-03684		Casting Cam Side	
91	HH-05-03034		Push Pin	
92	HH-18-06804		Cam Lever	
93	HH-03-03032		Flat Washer	
94	HH-02-03018		Castle Nut	

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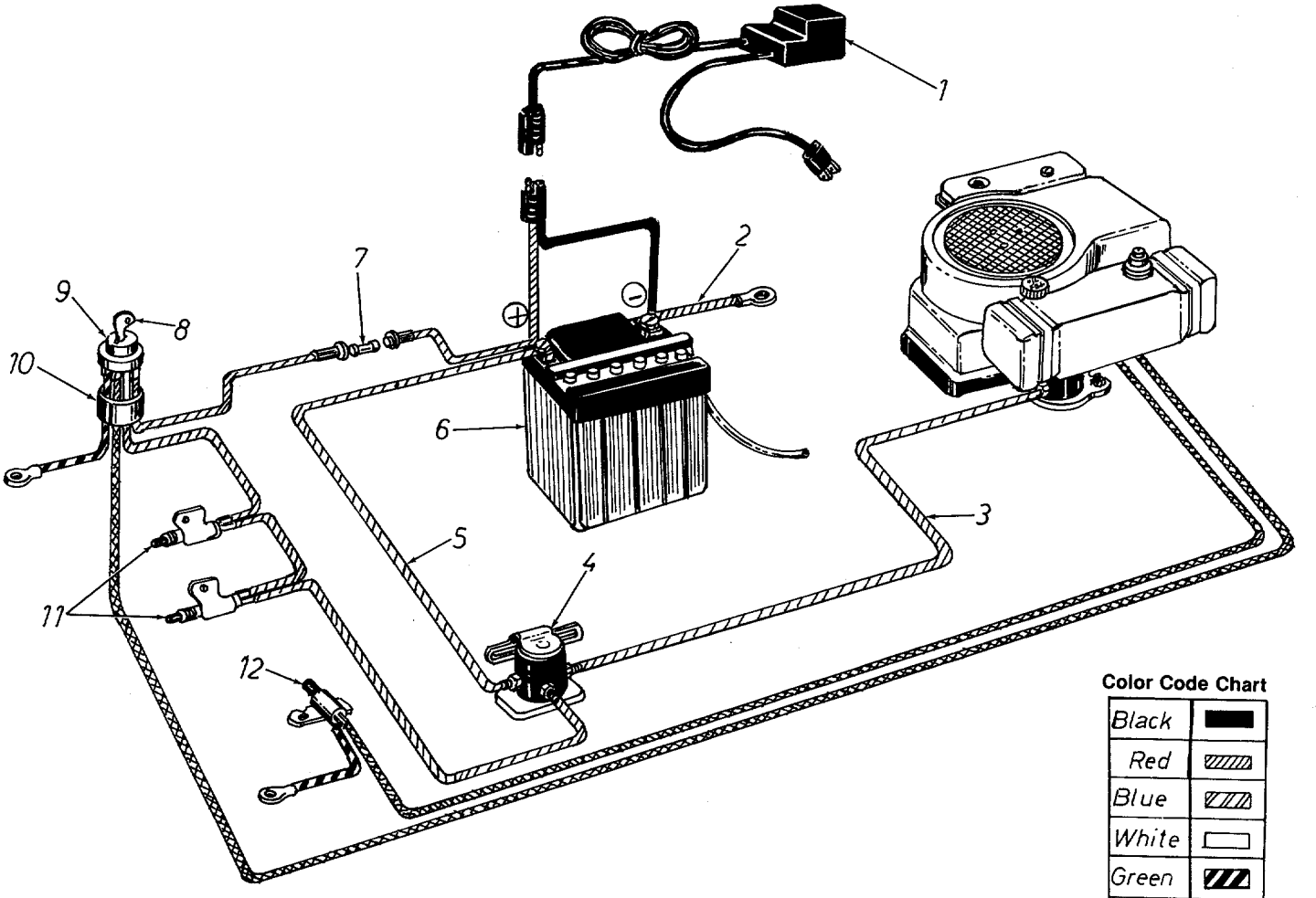
131-796A

Electrical System 796 Rider



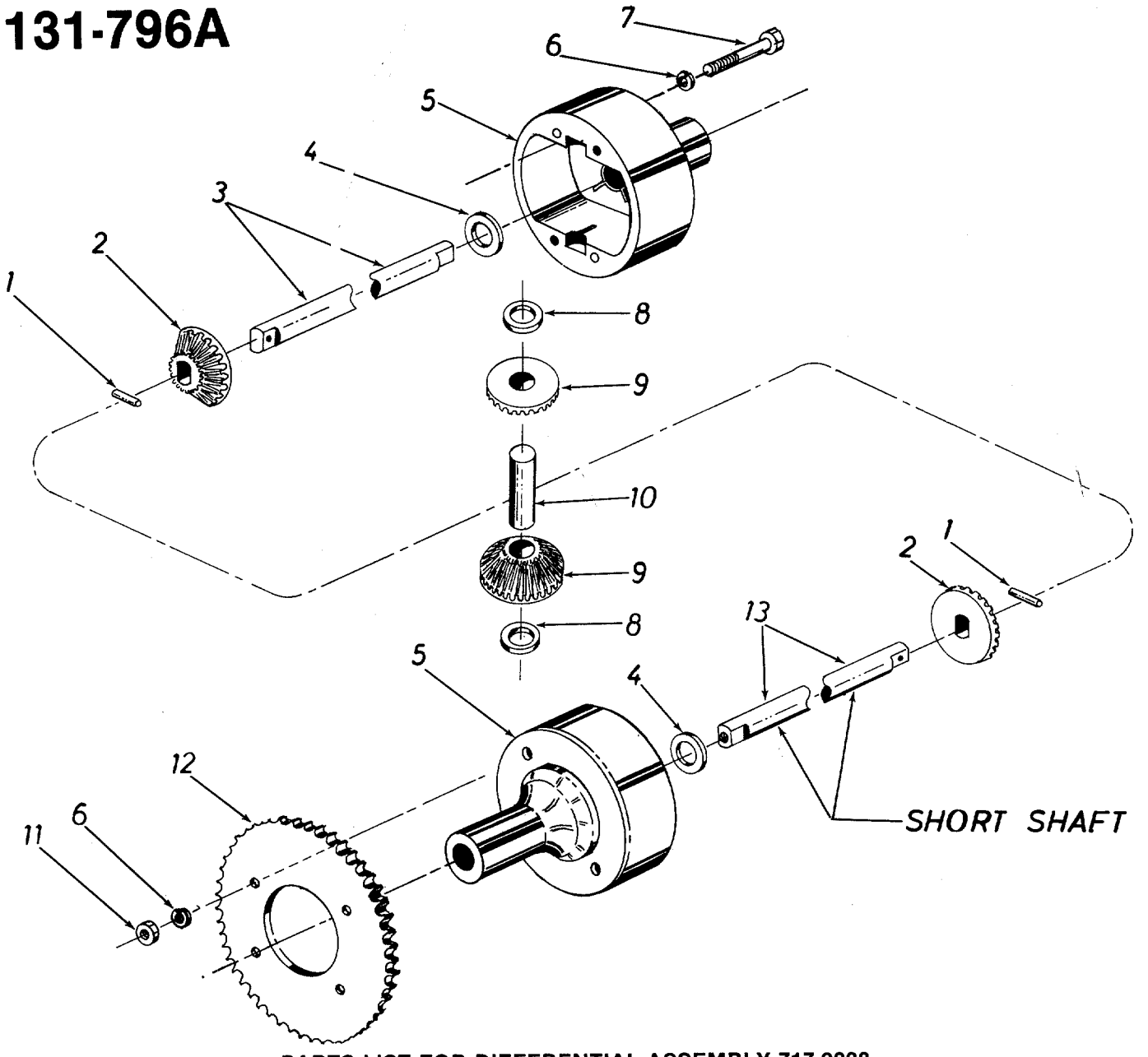
Color Code Chart

Black	
Red	
Blue	
White	
Green	
Yellow	
Orange	

PARTS LIST FOR ELECTRICAL SYSTEM MODEL 131-796A RIDING MOWER

REF. NO.	PART NO.	DESCRIPTION	NEW PART
1	725-0507	Battery Charger	
2	725-0121	Electric Wire	
3	725-0422	Electric Wire	
4	725-0530	Solenoid	
5	725-0150	Electric Wire	
6	725-0514	Battery	
7	725-0298	7½ Amp. Fuse	
8	725-0201	Ignition Key	
9	725-0267	Ignition Switch	
10	725-0511	Wire Harness	
11	725-0268	Safety Switch—Black N.O.	
12	725-0269	Safety Switch—Red N.C.	

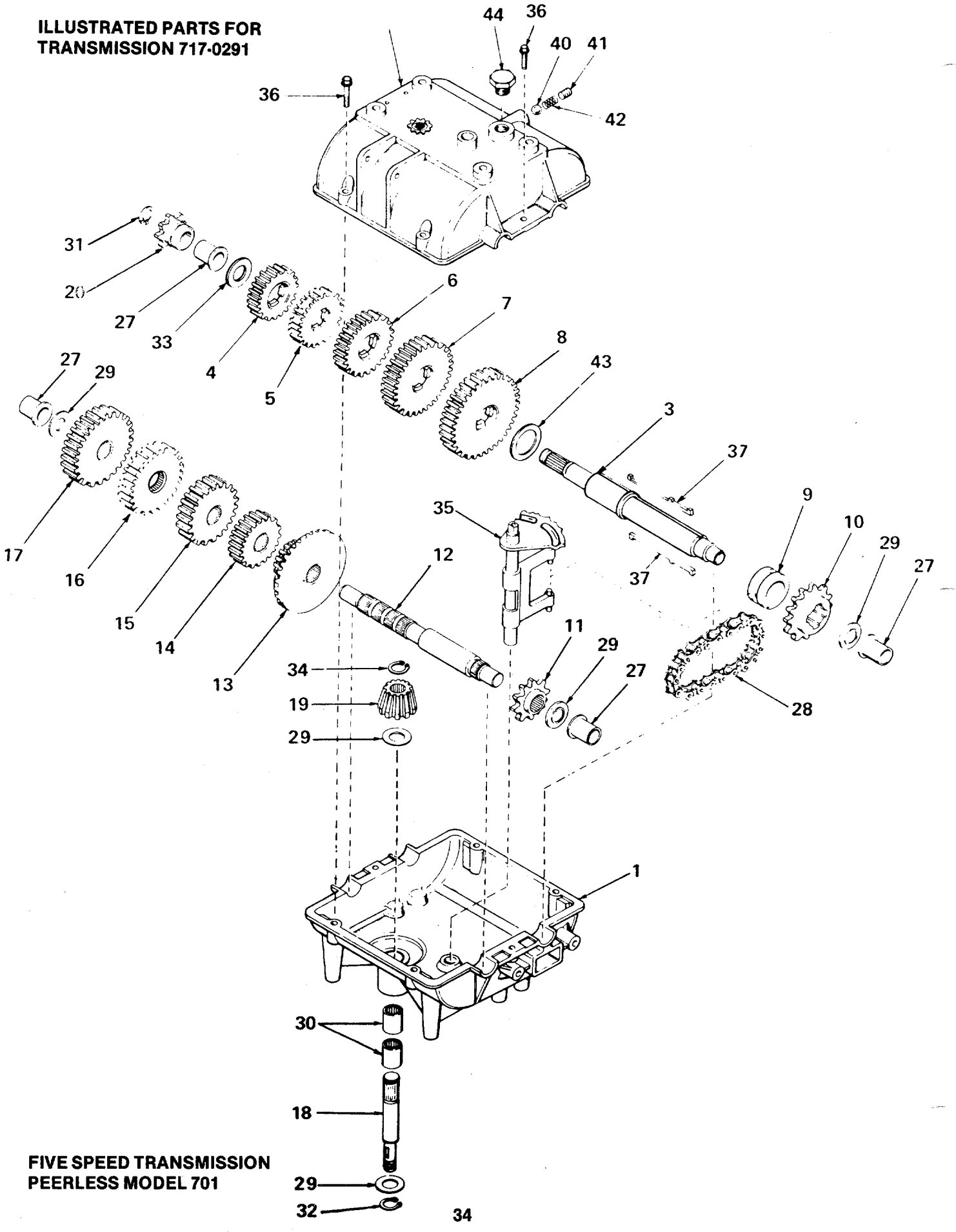
131-796A



PARTS LIST FOR DIFFERENTIAL ASSEMBLY 717-0333

REF. NO.	PART NO.	Qty. Req'd.	DESCRIPTION	NEW PART
1	715-0247	2	Spring Pin 3/16" Dia. x 1.00" Lg.	
2	748-0156	2	Miter Gear	
3	738-0391	1	Differential Shaft 18.72 Lg.	
4	736-0188	2	Fl-Wash. .76 I.D. x 1.49 O.D. x .06 Hdn.	
5	717-0341	2	Differential Housing Half	
6	736-0119	4	Lock Washer 5/16" Scr.	
7	710-0363	2	Hex Scr. 5/16-24 x 4.00	
8	736-0187	2	Fl-Wash. .64 I.D. x 1.24 O.D. x .06 Hdn.	
9	748-0157	2	Miter Gear	
10	711-0276	1	Drive Pin	
11	712-0237	2	Hex Cent. L-Nut 5/16-24	
12	713-0238	1	Sprocket 42T	
13	738-0301	1	Differential Shaft 7.07 Lg.	

ILLUSTRATED PARTS FOR TRANSMISSION 717-0291



FIVE SPEED TRANSMISSION PEERLESS MODEL 701

PARTS LIST FOR FIVE SPEED TRANSMISSION MODEL 717-0291 (PEERLESS 701)

REF. NO.	PART NO.	DESCRIPTION
1	PE-770061	Case, Transmission
2	PE-772070	Cover, Transmission
3	PE-776164	Shaft, Output and Brake
4	PE-778121	Gear, Spur (20 teeth)
5	PE-778122	Gear, Spur (22 teeth)
6	PE-778123	Gear, Spur (25 teeth)
7	PE-778124	Gear, Spur (30 teeth)
8	PE-778125	Gear, Spur (35 teeth)
9	PE-784266	Collar, Shift
10	PE-786060	Sprocket (14 teeth)
11	PE-786061	Sprocket (10 teeth)
12	PE-776134	Shaft, Counter
13	PE-778109	Gear, Bevel (42 tooth and 15 tooth spur gear)
14	PE-778126	Gear, Spur (20 teeth)
15	PE-778127	Gear, Spur (25 teeth)
16	PE-778128	Gear, Spur (28 teeth)
17	PE-778129	Gear, Spur (30 teeth)
18	PE-776140	Shaft, Input
19	PE-778113	Bevel Pinion, Input
20	PE-786049	Sprocket (8 teeth)
27	PE-780105	Bushing, Flanged
28	PE-786062	Chain, Roller (No. 41 chain, 22 links)
29	PE-780072	Race, Thrust
30	PE-780106	Bearing, Needle
31	PE-792072	Ring,Retaining
32	PE-792035	Ring, Retaining
33	PE-780109	Washer
34	PE-788040	Ring, Retaining
35	PE-784271	Rod and Fork Ass'y., Shift
36	PE-792073	Scr., ¼-20 x 1¼ Hex Hd. Tap-tite
37	PE-792089	Key
40	PE-792077	Ball, 5/16" Steel
41	PE-792078	Screw, 3/8-16 x 3/8 Set
42	PE-792079	Spring
43	PE-780108	Washer, Thrust
44	PE-792074	Plug

PARTS INFORMATION

POWER EQUIPMENT PARTS AND SERVICE

Parts and service for all MTD manufactured power equipment are available through the authorized service firms listed below. All orders should specify the model number of your unit, part numbers, description of parts and the quantity of each part required.

BRIGGS AND STRATTON, TECUMSEH AND PEERLESS PARTS AND SERVICE

Briggs & Stratton, Tecumseh and Peerless parts and service should be handled by your nearest authorized engine service fi Check the yellow pages of your telephone directory under listing **Engines—Gasoline,** Briggs & Stratton or Tecums Lauson.

NOTE: If any parts are found to be missing or defective upon assembly of this unit, write to advise the factory so that immediate replacement can be made.

ALABAMA	**BIRMINGHAM**	
Auto Electric & Carburetor Co.	2625 4th Ave. S.	35233
ARKANSAS	**FORT SMITH**	
Mity Mite Motors, Inc.	4515 S. 16th St.	72901
	NORTH LITTLE ROCK	
Sutton's Lawn Mower Shop	Rt. 4, Box 368	72117
CALIFORNIA	**PORTERVILLE**	
Billious	75 North D Street	93257
	SAN FRANCISCO	
J.W. Jewett Co.	981 Folsom St.	94107
COLORADO	**DENVER**	
Spitzer Industrial Products Co.	Box 59, 43 W. 9th Ave.	80201
FLORIDA	**JACKSONVILLE**	
Radco Distributors	4909 Victor St. Box 5459	32207
	OPA LOCKA	
Small Eng. Dist.	2351 N.W. 147th St.	33054
GEORGIA	**EAST POINT**	
East Point Cycle & Key	2834 Church St.	30344
ILLINOIS	**LYONS**	
Keen Edge Co.	8615 Ogden Ave.	60534
INDIANA	**ELKHART**	
Parts & Sales Inc.	2101 Industrial Pkwy.	46514
IOWA	**DUBUQUE**	
Power Lawn & Garden Equip.	2551 J.F. Kennedy	52001
LOUISIANA	**NEW ORLEANS**	
Suhren Engine Co.	8330 Earhart Blvd.	70118
MARYLAND	**TAKOMA PARK**	
Center Supply Co.	6867 New Hampshire Ave.	20012
MASSACHUSETTS	**SPRINGFIELD**	
Morton B. Collins Co.	300 Birnie Ave.	01107
MICHIGAN	**LANSING**	
Lorenz Service Co.	2500 S. Pennsylvania	48910
	MOUNT CLEMENS	
Power Equipment Dist.	36463 South Gratiot	48043
MINNESOTA	**HOPKINS**	
Hance Distributing Inc.	420 Excelsior Ave. W.	55343
MISSISSIPPI	**BILOXI**	
Biloxi Sales & Service, Inc.	506 Caillavet St.	39533
MISSOURI	**KANSAS CITY**	
Automotive Equip. Service	3117 Holmes St.	64109
	ST. JOSEPH	
Ross-Frazier Supply Co.	8th and Monterey	64503
	ST. LOUIS	
Henzler, Inc.	2015 Lemay Ferry Road	63125
NEW JERSEY	**BELLMAWR**	
Lawnmower Parts Inc.	717 Creek Rd.	08030
NEW YORK	**CARTHAGE**	
Gamble Dist., Inc.	West End Ave.	13619
NORTH CAROLINA	**GOLDSBORO**	
Smith Hardware Co.	515 N. George St.	27530
	GREENSBORO	
Dixie Sales Company	335 N. Green	27402
OHIO	**CARROLL**	
Stebe's Mid-State Mower Supply	Box 366, 71 High St.	43112
	CLEVELAND	
Bleckrie, Inc.	7900 Lorain Ave.	44102
	WADSWORTH	
National Central	687 Seville Rd.	44281
	YOUNGSTOWN	
Burton Supply Co.	1301 Logan Ave. Box 929	44501
OKLAHOMA	**MUSKOGEE**	
Victory Motors, Inc.	605 S. Cherokee	74401
	OKLAHOMA CITY	
Forest Sales Inc.	6415 N. Olie	73116
OREGON	**PORTLAND**	
Kenton Supply Co.	8216 N. Denver Ave.	97217
PENNSYLVANIA	**CHESTER**	
Stull Equipment Corp.	742 W. Front St.	19013
	HARRISBURG	
EECO Inc.	4021 N. 6th St.	17110
	PHILADELPHIA	
Thompson Rubber Co.	5222-24 N. Fifth St.	19120
	PITTSBURGH	
Bluemont Co.	11125 Frankstown Rd.	15235
	PUNXSUTAWNEY	
Frank Roberts & Sons	R.D. 2	157
TENNESSEE	**KNOXVILLE**	
Master Repair Service	2000 Western Ave.	37
	MEMPHIS	
American Sales & Service, Inc.	3035-43 Bellbrook	38116
TEXAS	**DALLAS**	
Marr Brothers, Inc.	423 E. Jefferson	75203
	FORT WORTH	
Woodson Sales Corp.	1702 N. Sylvania	76111
	HOUSTON	
Bullard Supply Co.	2409 Commerce St.	77003
	SAN ANTONIO	
Catto & Putty, Inc.	414 Live Oak	78298
UTAH	**SALT LAKE CITY**	
A-1 Engine & Mower Co.	437 E. 9th St.	84111
VERMONT	**BURLINGTON**	
Vermont Hdwe. Co. Inc.	180 Flynn Ave.	05401
VIRGINIA	**RICHMOND**	
RBI Corp.	963 Myers St.	23260
WASHINGTON	**SEATTLE**	
Bailey's Inc.	1414 14th Ave.	98102
WEST VIRGINIA	**CHARLESTON**	
Young's, Inc.	233 Virginia St., E.	25301
WISCONSIN	**MARSHFIELD**	
Power Pac	301 E. 29th St.	54449

WARRANTY PARTS AND SERVICE POLICY

The purpose of warranty is to protect the customer from defects in workmanship and materials, defects which are NOT detected at the time of manufacture. It does not provide for the unlimited and unrestricted replacement of parts. Use and maintenance are the responsibility of the customer. The manufacturer cannot assume responsibility for conditions over which it has no control. Simply put, if it's the manufacturer's fault, it's the manufacturer's responsibility; if it's the customer's fault, it's the customer's responsibility.

CLAIMS AGAINST THE MANUFACTURER'S WARRANTY INCLUDES:

1. **Replacement of Missing Parts** on new equipment.
2. **Replacement of Defective Parts** within the warranty period.
3. **Repair of Defects** within the warranty period.

All claims MUST be substantiated with the following information:

1. **Model Number** of unit involved.
2. **Date** unit was purchased or first put into service.
3. **Date of failure.**
4. **Nature of failure.**